Course Flow Chart for 2023 Fall and 2024 Spring Semester

Academic Year: 112 (Aug 2023~ Jul 2024)

Department: Department of Industrial Engineering and Management
Academic Degree: Bachelor of Science (BS in Industrial Engineering and Management)

(112.3.15 111 學年度第 2 次系課程會議通過 Approved by the Second Department Curriculum Committee on Mar 2nd,2023)

學分組合:講授時數–實習時數–學分數 Credit Format: Lecture Hours - Internship Hours - Total Credits）

經 112 年 3 月 15 日 111 學年度第 2 次系課程委員會議通過

Freshman		Sophomore		Junior		Senior	
1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester

校共同必修(含通識 16 學分，計 30 學分)
YunTech's Required Courses (including 8 credits of general course. 30 credits in total)

Freshman 1st	Freshman 2nd	Sophomore 1st	Sophomore 2nd	Junior 1st	Junior 2nd	Senior 1st	Senior 2nd
體育 Physical Education 2-0-0	體育 Physical Education 2-0-0	體育 (興趣選項) Physical Education 2-0-0	體育 (興趣選項) Physical Education 2-0-0		應用中文 Practical Chinese 2-0-2		
文學與創新 (興趣選項) Literature and Innovation 2-0-2	文學與創新 (興趣選項) Literature and Innovation 2-0-2		人工智慧與程式設計 Artificial intelligence programming 2-0-2				
通識課程 General Education 2-0-2	通識課程 General Education 2-0-2	通識課程 General Education 2-0-2	通識課程 General Education 2-0-2	通識課程 General Education 2-0-2	通識課程 General Education 2-0-2	通識課程 General Education 2-0-2	
英文溝通實務 (一) Practicum in English Communication（Ⅰ） 0-2-1	英文溝通實務 (二) Practicum in English Communication（Ⅱ） 0-2-1	英文創作與發表 (一) English Presentation and Writing（Ⅰ） 2-0-2	英文創作與發表 (二) English Presentation and Writing（Ⅱ） 2-0-2	職場英文 Career English 2-0-2			
服務學習 Service Learning 0-1-0	服務學習 Service Learning 0-1-0						
6-3-5	6-3-5	6-0-4	8-0-6	4-0-4	4-0-4	2-0-2	

院共同必修(計 14 學分) College's Required Course (Total **14** credits)

Freshman 1st	Freshman 2nd	Sophomore 1st	Sophomore 2nd	Junior 1st	Junior 2nd	Senior 1st	Senior 2nd
經濟學(一) Economics（Ⅰ） 3-0-3	會計學 Accounting 3-0-3				企業倫理 Business Ethics 2-0-2		
管理學 Management Theory 3-0-3		統計學(一) Statistics（Ⅰ） 3-0-3					
6-0-6	3-0-3	3-0-3			2-0-2		

系專業必修(計 63 學分) Department's Required Course (Total **63** credits)

物理 Physics 3-0-3	物件導向程式設計 Object-Oriented Programming Design 3-0-3	系統分析與設計 Systems Analysis and Design 3-0-3	統計學(二) Statistics（Ⅱ） 3-0-3	生產管理 Production Management 3-0-3	實務專題(一) Senior Design（Ⅰ） 0-2-1	實務專題(二) Special Practicing Project（Ⅱ） 0-2-1	
計算機概論 Introduction to Computer Science 3-0-3	物件導向程式設計實習 Object Oriented Programming Design Practices 0-2-1	作業研究(一) Operations Research（Ⅰ） 3-0-3	作業研究(二) Operation Research（Ⅱ） 3-0-3	品質管理 Quality Management 3-0-3	製造電子化 E-Manufacturing 2-2-3		
計算機概論實習 Introduction to Computer Practice 0-2-1	微積分(二) Calculus（Ⅱ） 3-0-3	工作研究 Work Study 3-0-3	設施規劃 Facilities Planning 3-0-3	工程經濟 Engineering Economics 3-0-3	人因工程導論 Introduction to Human Factor 3-0-3		
微積分(一) Calculus（Ⅰ） 3-0-3	工程圖學 Engineering Graphics 3-0-3	工作研究實習 Work Study Practice 0-2-1	設施規劃實習 Facilities Planning Practice 0-2-1				
	線性代數 Linear Algebra 3-0-3		製造程序 Manufacturing Process 3-0-3				
9-2-10	12-**2-13**	9-2-10	12-**2-13**	9-0-9	5-4-7	0-2-1	0-0-0

國立雲林科技大學 112 學年度工業工程與管理系大學部　專業選修　課程流程圖

系專業選修(至少應修 29 學分，可含 12 學分外系選修課程)

Elective courses for Department (At least 29 credits；at most12 credits from other departments.)

Freshman 1st semester	Freshman 2nd semester	Sophomore 1st semester	Sophomore 2nd semester	Junior 1st semester	Junior 2nd semester	Senior 1st semester	Senior 2nd semester
		Organization and Management 3-0-3	Management Information Systems 3-0-3	Green Production 3-0-3	Enterprise Resource Planning—Production Management Modules 2-2-3	Inventory Management 3-0-3	Enterprise Resource Planning—Financial Accounting Modules 3-0-3
			Management Thinking 3-0-3	System Simulation 2-2-3	Logistics Management 3-0-3	Introduction to Probability 3-0-3	Special Topics on Industrial Engineering and Management（II） 3-0-3
			Decision Analysis 3-0-3	Reliability Management 3-0-3	Introduction to Green Products 3-0-3	Introduction to Big Data Analysis 3-0-3	Global Supply Chain Management 3-0-3
				Database Design and Web Programming 3-0-3	Industrial Environment and Safety 3-0-3	Electronic Business 3-0-3	Management Practices 3-0-3
				Introduction to Hospital Management 3-0-3	Introduction to Research Methods for Behavioral 3-0-3	Cost Accounting 3-0-3	Industrial Scheduling and Its Applications 3-0-3
				Introduction to Intelligent Agriculture(I) 3-0-3	Software Packages for Statistical Analysis 3-0-3	Continuous Improvement Program 3-0-3	Soft Computing 3-0-3
					Programming and Implementation for Internet of Thing 3-0-3		Managerial Psychology 3-0-3
					VBA Macros Programming and Application 2-2-3		Lean Production Systems 3-0-3
					Healthcare Management 3-0-3		Industry Internship（I） 1-8-5
					Intelligent Farm Management 3-0-3		Industry Internship（II） 1-8-5
					Quality Engineering 3-0-3		Introduction to Health Care Administration 3-0-3

Electived Courses: at least 29 Credits for required < Could be covered 12 credits from other department>

Minimum graduation credits: 136 credits 本系大學部最低畢業學分數為 136 學分

備　　註：

(一)必選修規定：

「管理實務」為大學部必選課程，凡修習產業實務實習課程者本課程得免修；非經同意其他各班及外系
學生不得選修。

(二)外系選修及相關學分認列：

1.　外系選修學分至多承認 12 學分。

2.　學生得於本校跨院系所學程中擇一修習(教育學程及英語菁英學程除外)，凡符合該學程之課程修習規
定認可之學分，均認列為外系選修學分。
修畢學程者，至多承認 24 學分；未修畢學程或未申請學程者，其外系選修學分至多承認 12 學分。

3.　不列計畢業學分:教育學程、英語菁英學程、體育選修、全民國防軍事教育訓練、碩士在職專班課
程、超修通識課程。另外，通識課程僅認列語文課程。

4.　學生修讀碩士一般生課程，至多可承認 2 門(6 學分)，凡學分認列於大學部畢業學分者，研究所不得
重複認列。

5.　如有相關認列疑義，請隨時向系辦公室確認，以避免因認列問題造成學分數不足。

6.　學生修習進修部課程，必須是本系課程流程圖以外之課程，方得承認為外系選修學分，如果修習本
系課程流程圖之課程，不認列為本系畢業學分。

7.　管院大一必修「管理學」如需重補修者，僅限選修工管系開的「管理學」。