

109 學年度 印尼「二技(2+i)產學合作國際專班」課程地圖
 2021 Curriculum Map of 2+i Industry-Academia Collaboration Program for Mechanical Engineering,
 Department of Industrial Engineering and Management, Cheng Shiu University

CSU / IEM-ME
 正修學校財團法人正修科技大學/工業工程與管理系機械工程專班

109.09.11

	First Year 一年級		Second Year 二年級		Third Year 三年級		Ability 能力	Occupation Title 就業職稱
	First Semester 上學期	Second Semester 下學期	First Semester 上學期	Second Semester 下學期	First Semester 上學期	Second Semester 下學期		
Common Courses 通識基礎課程	Chinese Teaching (I) 華語文教學(一)	Chinese Teaching (II) 華語文教學(二)	Advance Chinese Language Teaching 專業華語				to achieve the ability of fluent Chinese and be able to write the English technical report 具備語文及撰寫英文科技報告能力	
Theory Courses 專業理論課程	*Statistical Data Analysis *統計資料分析	Quality Management Practice 品質管理實務	CAD & CAM 電腦輔助設計與製造				1. to achieve the ability of analysis mathematic data 2. to build the skills of quality control and the ability of CAD&CAM 具備應用數理分析資料能力、培養品質管理技術及建立使用電腦進行設計與製造產品能力。	
Implementation Courses 專業實作課程	Manufacturing Processes 製造程序	Work Study 工作研究	Plant Layout and Material Handling 工廠佈置與物料搬運				1. to create the ability of process improvement and design 2. to create the ability of system thinking 3. to create the ability of using CNC and 3-Dimension equipments, as well as using automatic equipments and intelligent robots into production process 4. to create the ability of design and conduct experiments, as well as to analyze and interpret data 5. to create the ability of identifying and solving engineering problems 6. to develop the integrated solution ability 1.培養改善與設計能力。 2.培養具有系統思考能力。 3.培養使用CNC工具機及三次元量測儀之能力，建立應用自動化及智慧型機器人與生產流程之能力。 4.具有設計和進行實驗以及分析和解釋數據的能力。 5.培養識別和解決工程問題的能力。 6.發展整體解決方案之能力。	1. CNC Technician 2. Mechanical Repair and Maintenance Specialist 3. Material Technician 4. Mechanical Manufacturing Technician 5. Mechanical Assembly Engineer 6. Mechanical Processing Technician 7. IE Engineer 8. Quality Control Technician 9. Production Management Assistant 1.CNC操作員 2.機械保養維護專員 3.物料管理師 4.機械製造安裝人員 5.機械組立工程師 6.機械加工技術人員 7.IE工程師 8.品質檢測 9.產品管理助理
	Production and Operations Management 生產與作業管理	CNC Practice CNC實務與實作	Human-Factors Engineering 人因工程					
	Precision Measurement Practice 精密量測與實作	Analysis of Engineering Economics 工程經濟與決策分析	RFID Application and Practice RFID應用實務					
		*Computer Aided Drawing(CAD) *電腦輔助繪圖	Introduction of Semi-Conductor Production Process 半導體製程概論					
		Enterprise Management and Analysis 產業經營分析	Automated Production Practice 自動化生產實務與實作					
		Intelligent Enterprise and Supply Chain Management 智能企業與供應鏈管理	Reverse Engineering and Practice 逆向工程與實作					
Internship and Topics Courses 實習課程與專題				Industrial internship (I) 工廠實習(一)	Industrial internship (II) 工廠實習(二)	Industrial internship (III) 工廠實習(三)	1. to create the independent thinking ability 2. to create the analysis and interpretation ability 3. to develop the ability of team work and leadership" 1.培養獨立思考能力 2.培養分析及表達能力 3.培養團隊合作與領導之能力	
				Off-Campus Internship (I) 校外實習(一)	Off-Campus Internship (II) 校外實習(二)	Off-Campus Internship (III) 校外實習(三)		
				Thematic Projects (I) 專題實作(一)	Thematic Projects (II) 專題實作(二)	Thematic Projects (III) 專題實作(三)		

Common Course 通識必修	Required Course 專業必修	Elective Course 專業選修
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