

	Freshman year 一年級		Sophomore year 二年級		Junior year 三年級		Abilities 能力	Job titles 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 (5) 華語文(5)		Introduction to Taiwan regulations (2) 台灣法規概論(2)	Professional foreign language (2) 專業外文(2)			Language 語文能力  Society 社會	

Profession courses 專業課程	Introduction to Industry (3) 產業概論(3)	Mechanics of machinery (3) 機械力學(3)			Mechanical workshop (2) 機械專題講座(2)		Mechanical basic 機械基礎	Mechanical Design Engineer 機械設計工程師
	Computer-aided mechanical drawing(3) 電腦輔助機械製圖(3)	Computer-aided design 1(3) 電腦輔助設計(一)(3)	Computer-aided design 2 (3) 電腦輔助設計(二)(3)	Engineering Analysis (2) 工程分析(2)	Product design(2) 產品設計(2)	Mold design practice(2) 模具設計實務(2)	Mechanical design 機械設計	
			Mechanical design practice(3) 機械設計實務(3) Skill test practice tutoring 1 (3) 專業證照實作輔導一(3)			Computer-aided mechanism design(3) 電腦輔助機構設計(3) 3D model design(3) 3D模型設計(3)		
	Introduction to Materials Science (3) 材料科學導論(3)	Material experiment (3) 材料實驗(3)					Engineering materials 工程材料	
					Introduction to Energy (2) 能源概論(2) Fluid solidity experiment (3) 流固力實驗(3)		Energy application 能源應用	

Profession courses 專業課程	Introduction to Industry (3) 產業概論(3)	Mechanics of machinery (3) 機械力學(3)			Mechanical workshop (2) 機械專題講座(2)		Mechanical basic 機械基礎	Precision manufacturing engineer 精密製造工程師
	Machining internship (3) 機械加工實習(3)	CNC machine tools and internship (3) 數控工具機與實習(3)	CNC machining practice (3) 數控加工實務(3)	Non-traditional manufacturing technology(2) 非傳統製造技術(2)	Skill test practice tutoring 2 (3) 專業證照實作輔導二(3)		Mechanical manufacturing 機械製造	
	Manufacturing (3學分) 製造學(3學分)	Precision Measurement Technology and Internship (3) 精密量測技術與實習(3)	Intelligent manufacturing practice (3) 智能製造實務(3學分)					
	Introduction to Materials Science (3) 材料科學導論(3)	Material experiment (3) 材料實驗(3)					Engineering materials 工程材料	

Profession courses 專業課程	Introduction to Industry (3) 產業概論(3)	Mechanics of machinery (3) 機械力學(3)			Mechanical workshop (2) 機械專題講座(2)		Mechanical basic 機械基礎	Mechatronics automation engineer 機電整合自動化工程師
		Programming practice (3) 程式設計實務(3)	Automated manufacturing and internship (3) 自動化製造與實習(3)			Arduino program control practice (2) Arduino程式控制實務(2)	Automatic control 自動控制	
		Electrical engineering and internship (3) 電機學與實習(3)	Mechatronics and internship (3) 機電整合與實習(3)			Skill test practice tutoring 3 (3) 專業證照實作輔導三(3)		
		Liquid pressure and internship (3) 液氣壓學與實習(3)						
			Quality control (2) 品質管制(2) Industrial safety (2) 工業安全(2學分)				Factory management 工廠管理	

Required common courses 通識必修	Required profession courses 專業必修	Elective profession courses 專業選修
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