

遠東科技大學進修部  
二年制 機械工程科 課程規劃表  
(適用112學年度入學)

Far East University Curriculum of Mechanical Engineering Department for Two-Year Program of Junior College  
-Night Division (Effective from Fall 2023)

科目名稱 Subject		第一學年1st School Year		第二學年2nd School Year		
		上學期 1st semester (學分/時數) (Credits/Hours)	下學期 2nd semester (學分/時數) (Credits/Hours)	上學期 1st semester (學分/時數) (Credits/Hours)	下學期 2nd semester (學分/時數) (Credits/Hours)	
共同必修 General Required Courses	國文(1)(2) Chinese (1) (2)	3/ 3	3/ 3			
	英文(1)(2) English(1)(2)	3/ 3	3/ 3			
	性別文化與社會 Gender Culture and Society	2/ 2				
	藝術概論 Art Introduction	1/ 1				
	科技與人生 Technology and Life			2/ 2		
	藝術與生活 Art and Life			1/ 1		
	創意思考與訓練 Creative Thinking and Training				2/ 2	
	小計Subtotal	9/ 9	6/ 6	3/ 3	2/ 2	
	專業必修 Professional Required Courses	計算機概論 Basic Concept of Computer	2/ 2			
		微積分(1) Calculus(1)	3/ 3			
物理(1) Physics		3/ 3				
職場倫理 Employment Ethics			2/ 2			
機械製造 Manufacturing Engineering			3/ 3			
工程力學 Engineering Mechanics			3/ 3			
電腦輔助繪圖 Computer Aided Drawing			3/ 3			
工程數學概論 Introduction of Engineering Mathematics				3/ 3		
材料力學概論 Introduction for Mechanics of Materials				3/ 3		
機構學 Mechanism				2/ 2		
數控工具機與實習 Computer Numerical Control Machine				2/ 2		
機械設計 Design of Machine Elements					3/ 3	
工程材料 Engineering Materials					3/ 3	
熱力學 Thermodynamics					3/ 3	
小計Subtotal		8/ 8	11/ 11	10/ 10	9/ 9	
		車輛科技概論 Introduction of Vehicle Techology	3/ 3			

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專業選修 Professional Elective Courses	電腦視窗軟體 Window Software	3/ 3			
	微積分(2) Calculus(2)		3/ 3		
	物理(2) Physics(2)		3/ 3		
	工業安全與衛生 Industrial Safety and Health			2/ 2	
	專利實務 Patent Practices			3/ 3	
	汽車原理 Principle of Automobile			3/ 3	
	品質管制 Quality Control			2/ 2	
	日語會話 Japanese Conversation			2/ 2	
	汽車修護 Maintenance of Automobile				3/ 3
	機電整合 Mechatronic System Integration				3/ 3
	半導體製程 Semiconductor Process				3/ 3
	工廠管理 Factory Management				3/ 3
	擬開最低選修學分 Proposed Minimum Elective Credits	3/ 3	3/ 3	7/ 7	9/ 9
	合計Total	20/ 20	20/ 20	20/ 20	20/ 20
	備註 Note	112年05月23日 校課程發展委員會會議通過Amended Date： 2023-05-23			
<p>一、畢業總學分至少80分： The total number of credits completed to be eligible to graduate shall not be less than 80 credits. 1.共同必修20學分；專業必修38學分；專業選修至少12學分。 General Required Courses:20 credits. Professional Required Courses:38 credits. Professional Elective Courses:Not less than12 credits. 2.一般選修至多10學分(開放學生自由選修本系或外系課程)。 The general elective credits shall be up to10 credits. (Open for students to freely choose courses within their own or other departments)</p> <p>二、畢業門檻：Graduation threshold 1.學生於修業年限內應修畢「共同必修」、「專業必修」、「專業選修(含一般選修)」共計80學分。Students are required to complete a total of 80 credits of "General Required Courses", "Professional Required Courses", and "Professional Elective Courses" ("General Elective Course" included) within their academic years.</p>					