

淡江大學 111學年度 機械與機電工程學系碩士班 (B組-實務組) 入學新生課程規劃表
Curriculums of the Department of Mechanical and Electro-Mechanical Engineering
Master's Program (Group B - Practical Track) at Tamkang University
(Applicable to Newly-Admitted Students for the 2022 Academic Year)

科目名稱 /Subjects	學分 Credits	第1學年		第2學年		第3學年		第4學年		備註 Remarks	
		1st Academic Year		2nd Academic Year		3rd Academic Year		4th Academic Year			
		第1學期	第2學期	第1學期	第2學期	第1學期	第2學期	第1學期	第2學期		
		1st Semester	2nd Semester	1st Semester	2nd Semester	1st Semester	2nd Semester	1st Semester	2nd Semester		
■本系必修課程：20學分 Required Courses: 20 credits	研究方法 (一) Research Method (I)	1	1								
	研究方法 (二) Research Method (II)	1		1							
	專案管理實習 (一) Project Management Practice (I)	3			3						
	研發技術實習 (一) Research Technology Practice (I)	3			3						
	產線技術實習 (一) Production-Line Technology Practice	3			3						
	專案管理實習 (二) Project Management Practice (II)	3				3					
	研發技術實習 (二) Research Technology Practice (II)	3				3					
	產線技術實習 (二) Production-Line Technology Practice	3				3					
	論文 Thesis	0				0					
	■本系系選修課程：至少須修24學分以上。 Department Elective Courses: A minimum of 24 credits must be completed.	高等工程數學 Advanced Engineering Mathematics	3	3							附註： 系選修課程之開設科目，將依據本校規定可開課學分數開課。不是每個科目都會開課。 Note: The elective courses offered by the department will be arranged based on the number of credits permitted under the university's regulations. Not all listed courses will necessarily be offered.
		塑性力學 Plastic Mechanics	3	3							
高等熱傳學 Advanced Heat Transfer		3	3								
創意性機構設計 Creative Mechanism Design		3	3								
機電工程理論與實務特論 Fundamentals and Practical Applications of Mechanical and Mechatronics Engineering		3	3								
人工智慧與機器學習 Artificial Intelligence and Machine Learning		3	3								
生醫工程整合技術 Integrated Technology of Biomedical Engineering		3	3								
高階醫材設計實務 Advanced Medical Devices Design		3	3								
結構動力 Structural Dynamics		3	3								
高等動力學 Advanced Dynamics		3		3							
微處理機 Microprocessors		3		3							
奈米材料生物晶片設計 The Design of A Nano-Material Applied Bio-Chip		3		3							
電動機設計實務 Design and Practice of Electric Motors		3		3							
資訊電整合技術 Integrated Technology of Information and Mechatronics		3		3							
視覺感測技術與應用 Visual Sensing Technology and		3		3							

(1)必修科目總學分數：20學分

(1)Total Credits for Required Courses: 20 credits

(2)最低應修本系選修科目總學分數：24學分

(2)Minimum Credits Required for Departmental Elective Courses: 24 credits

畢業總學分數：44學分

Total Number of Credits Required for Graduation: 44 credits