

淡江大學 112學年度 機械與機電工程學系碩士班 (A組-學術組) 入學新生課程規劃表  
Curriculums of the Department of Mechanical and Electro-Mechanical Engineering  
Master's Program (Group A - Academic Track) at Tamkang University  
(Applicable to Newly-Admitted Students for the 2023 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：2學分 Required Courses: 2 credits	研究方法 (一) Research Method (I)	1	1								
	研究方法 (二) Research Method (II)	1		1							
	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.
	高等熱傳學 Advanced Heat Transfer	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								
	彈性力學 Theory of Elasticity	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							
	資機電整合技術 Integrated Technology of Information and	3		3							
	視覺感測技術與應用 Visual Sensing Technology and Applications	3		3							
	骨科基礎生物力學 Basic Biomechanics of Orthopedics	3		3							
	電漿技術 Plasma Technology	3		3							

(1)必修科目總學分數：2學分

(1)Total Credits for Required Courses: 2 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：26學分

Total Number of Credits Required for Graduation: 26 credits