

淡江大學 114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 2025 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21學分以上。 Department Elective Courses: A minimum of 21 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.
	生醫工程整合技術 Integrated Technology of Biomedical Engineering	3	3								
	黏滯流體力學 Viscous Fluid Flow	3	3								
	積層製造之設計與應用 Design and Applications of Additive Manufacturing	3	3								
	視覺感測技術與應用 Visual Sensing Technology and Applications	3	3								
	企業研發實務 Practice of Business Research and Development	3	3								
	微處理器 Microprocessors	3		3							
	奈米材料生物晶片設計 The Design of A Nano-Material Applied Bio-Chip	3		3							
	骨科基礎生物力學 Basic Biomechanics of Orthopedics	3		3							
	進階能源轉換 Advanced Energy Conversion	3		3							
	機器動力學 Dynamics of Machines	3		3							
	機械振動學 Mechanical Vibrations	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：22學分

(2)Minimum Credits Required for Departmental Elective Courses: 22 credits

畢業總學分數：24學分

Total Number of Credits Required for Graduation: 24 credits