

材料科學與工程學系

Department of Materials Science and Engineering

107 學年度(Academic Year 2018)

課程名稱 Course Name	學分 Credit	第一學年 Grade 1		第二學年 Grade 2		第三學年 Grade 3		第四學年 Grade 4		備註
		1st	2nd	1st	2nd	1st	2nd	1st	2nd	
		化學 General Chemistry	6	3	3					
化學實驗 General Chemistry Lab.	2	1	1							
物理 General Physics	8	4	4							
物理實驗 General Physics Lab.	2	1	1							
微積分 Calculus	8	4	4							
材料科學與工程導論 Introduction to Materials Science and Engineering	6	3	3							
材料熱力學 Thermodynamics of Materials	6			3	3					
工程數學 Engineering Mathematics	6			3	3					
物理冶金 Physical Metallurgy	6			3	3					
計算機概論 Introduction to Computer	3			3						
材料基礎實驗(一)(二) Elementary Materials Labs.	4			2	2					
晶體結構與繞射導論 Introduction to Crystallography and Diffraction	3				3					
材料工程實驗(一)(二) Advanced Materials Labs.	4					2	2			
服務學習(一) Campus Service	0		0							
服務學習(二) Campus Service	0			0						*0
生涯規劃及導師時間 Career Planning and Mentor's Hours	2	1	1							
導師課程	0	0	0	0	0					
合計	66	16	18	14	14	2	2	0	0	

本系最低畢業學分數為 130 學分

本系學生(含提前畢業、轉系生、雙主修、輔系)畢業相關規定依本系學士學位修讀辦法辦理
The minimum number of credits for graduation: **130**

The graduation of the students of the Department (including early graduation students, transfer students, double major degree students or minor degree students) is handled in accordance with this Academic Regulations for Undergraduate Students of the Department.

*需在畢業前修畢。It is required to complete the coursework before graduation.

材料科學與工程學系輔系科目表

Department of Materials Science and Engineering Minor Program

107 學年度(Academic Year 2018)

科目名稱 Course Name	學分數 Credit	科目名稱 Course Name	學分數 Credit	備註
材料科學與工程導(上、下) Introduction to Materials Science and Engineering(I、II)	6	材料熱力學(上、下) Thermodynamics of Materials(I、II)	6	必修共 12 學分 12 credits, complusory course
晶體結構與繞射導論 Introduction to Crystallography and Diffraction	3	物理冶金(上、下) Physical Metallurgy(I、II)	6	任選 6 學分 Any 6 credits
材料動力學概論 Rate Processes in Materials	3	材料微觀結構分析 Microstructural Characterization of Materials	3	
金屬材料 Metal Materials	3	陶瓷材料 Ceramics Materials	3	任選 3 學分 Any 3 credits
電子材料 Electronic Materials	3	高分子材料科學 Polymer Materials Science	3	