

清大材料輔系之必修及選修課程規定
NTHU MSE Requirements for Minor

一、 必修課程：材料科學與工程一、二，擴散與相變化。

Required courses for Minor: “Materials Science and Engineering I, II” and “Diffusion and Phase Transformation”.

二、選修課程：將系定必修科目列為輔系之選修科目。

Selected courses for Minor: Choose from the following courses at least 11 credits.

申請時程：每學期開學後 2 週內。(Apply within two weeks after the beginning of every semester)

繳交資料：申請表、應修科目表、歷年成績單。(Hand in application form, course form, transcripts)

輔系學分數：至少 20 學分。(Credits for Minor at least 20)

系定必修科目 Department required courses	學分數 credits		備註 Note
	上學期 Fall Semester	下學期 Spring Semester	
材料科學與工程一、二 Materials Science and Engineering I, II	3	3	材料輔系必修 Required courses for Minor
工程數學一、二 Engineering Mathematics I, II	3	3	
材料熱力學一、二 Thermodynamics of Materials I, II	3	3	
晶體缺陷 Crystal defect	3		
擴散與相變化 Diffusion and Phase Transformation	3		材料輔系必修 Required courses for Minor
材料實驗一、二 Laboratories of Materials I, II	2	2	
材料科技論壇 The Forum of Materials Science and Technology	1		
機械性質 Mechanical Properties	3		
材料之物理性質 Physical Properties of Materials	3		
結晶繞射概論 Introduction to Crystal Structure and Diffraction Theories	3		
金屬材料 Metallic Materials	3		
電子材料 Electronic Materials	3		
陶瓷材料 Ceramic Materials	3		
高分子材料 Polymer Materials	3		
生醫材料 Biomedical Materials	3		

※相關申請表單，請參閱本校註冊組/[學士班相關規定](#)。(表單下載：在校生及新生常用表單)

Application forms: <https://registra.site.nthu.edu.tw/var/file/211/1211/img/744047712.docx>

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