

國立暨南國際大學應用化學系碩士班必選修科目一覽表
National Chi Nan University
Department of Applied Chemistry Master Program Curriculum

本表(115)學年度入學新生適用 Effective for students admitted in Fall, 2026

最低畢業學分：24學分；必修6學分，選修18學分。

Master program requirements: a minimum of 24 required credits, including 6 credits in Department required courses and 18 credits in Department elective courses.

課程代號 Course Code	課 程 名 稱(中文及英文) Course Name (Chinese and English)	學分數 Credits	修別 Course type (required/elective)	開課年級 Course availability	備 註 Notes
245011	化學技術(上) Chemistry Skill (I)	1	必 required	一上 Master 1st Semester	必修課程 required
245020	化學技術(下) Chemistry Skill (II)	1	必 required	一下 Master 2nd Semester	
245016	專題報告一(上) Seminar I (I)	1	必 required	一上 Master 1st Semester	
245019	專題報告一(下) Seminar I (II)	1	必 required	一下 Master 2nd Semester	
245025	專題報告二(上) Seminar II (I)	1	必 required	二上 Master 3rd Semester	
245030	專題報告二(下) Seminar II (II)	1	必 required	二下 Master 4th Semester	
核心選修課程 elective					
245077	高等分析化學(上) Advances in Analytical Chemistry (I)	3	選 elective	— Master 1st/2nd Semester	核心選修課程 elective : 至少修習6學分
245078	高等分析化學(下) Advances in Analytical Chemistry (II)	3	選 elective	— Master 1st/2nd Semester	

245079	材料化學(上) Material Science (1)	3	選 elective	— Master 1st/2nd Semester	(take at least 6 credits)
245080	材料化學(下) Material Science (2)	3	選 elective	— Master 1st/2nd Semester	
245068	高等有機化學(I) Advances in organic Chemistry(I)	3	選 elective	— Master 1st/2nd Semester	
245069	高等有機化學(II) Advances in organic Chemistry(II)	3	選 elective	— Master 1st/2nd Semester	
245070	高等無機化學(I) Advances in Inorganic Chemistry(I)	3	選 elective	— Master 1st/2nd Semester	
245061	高等生物化學(上) Advances in Biochemistry (I)	3	選 elective	— Master 1st/2nd Semester	
245062	高等生物化學 (下) Advances in Biochemistry (II)	3	選 elective	— Master 1st/2nd Semester	
245073	細胞生物學 Cellular Biology	3	選 elective	— Master 1st/2nd Semester	
245074	分子生物學 Molecular Biology	3	選 elective	— Master 1st/2nd Semester	
245071	生醫技術 Biomedical Skill	3	選 elective	— Master 1st/2nd Semester	
一般選修課程 elective					
245067	應用化學特論(I) Special topics on applied Chemistry(I)	3	選 elective	— Master 1st/2nd Semester	
245065	無機化學特論 Special Topics in Inorganic Chemistry	3	選 elective	— Master 1st/2nd Semester	
245040	材料化學特論 Special Topics in Material Science	3	選 elective	— Master 1st/2nd Semester	
245038	物理化學特論 Special Topics in Physical Chemistry	3	選 elective	— Master 1st/2nd Semester	
245054	材料分析 Materials Characterization	3	選 elective	— Master 1st/2nd Semester	

245075	現代醫學概論 Introduction to Modern Medicine Science	3	選 elective	— Master 1st/2nd Semester	
245035	固態化學 Solid State Chemistry	3	選 elective	— Master 1st/2nd Semester	
245028	腫瘤生物學 Oncology	3	選 elective	— Master 1st/2nd Semester	
245076	生理學 Physiology	3	選 elective	— Master 1st/2nd Semester	
245072	生物科技與生物藥學 Biotechnology and Biomedicine	3	選 elective	— Master 1st/2nd Semester	
245045	醫學工程與生物科技導論 Introduction of Biomedical Engineering and Biomedical Technology	3	選 elective	— Master 1st/2nd Semester	
245033	微生物與免疫學 Microbiology & Immunology	3	選 elective	— Master 1st/2nd Semester	
245053	物理化學(三) Physical Chemistry (3)	3	選 elective	— Master 1st/2nd Semester	
245055	雜環化學 Heterocyclic Chemistry	3	選 elective	— Master 1st/2nd Semester	
245029	生醫特論 Special Topics in Biomedicine	3	選 elective	— Master 1st/2nd Semester	
245056	果蠅模式動物 Drosophila animal model system	2	選 elective	— Master 1st/2nd Semester	
245057	計算化學 Computational chemistry	3	選 elective	— Master 1st/2nd Semester	需同時修習計算化學實驗 requisite courses Computational Chemistry Lab at same time
245058	計算化學實驗 Computational Chemistry Lab	1	選 elective	— Master 1st/2nd Semester	需同時修習計算化學 requisite courses Computational Chemistry
245059	電化學特論 Special topics in Electrochemistry	3	選 elective	— Master 1st/2nd Semester	
245060	電化學 Electroanalytical Chemistry	3	選 elective	— Master 1st/2nd Semester	
245066	分析化學特論 Special Topics in Analytical Chemistry	3	選 elective	— Master 1st/2nd Semester	

245064	X光繞射原理 The Basic of Crystallography and Diffraction	3	選 elective	— Master 1st/2nd Semester	
245082	超分子化學導論 Introduction to Supramolecular Chemistry	3	選 elective	— Master 1st/2nd Semester	
245081	藥物化學導論 Introduction to Medicinal Chemistry	3	選 elective	— Master 1st/2nd Semester	
245083	有機合成及反應機構(一)Organic Synthesis (1)	3	選 elective	— Master 1st/2nd Semester	
245084	有機合成及反應機構(二)Organic Synthesis (2)	3	選 elective	— Master 1st/2nd Semester	
245085	生醫分析特論(I)Special topics on biomedical analysis(I)	3	選 elective	— Master 1st/2nd Semester	
245086	儀器分析特論 Special topics on instrumental analysis	3	選 elective	— Master 1st/2nd Semester	

備註：1. 碩一學生聽演講的次數，由化學技術(上)(下)之任課老師規定之。

The number of lectures that first-year master' s students are required to attend shall be determined by the instructors of Chemical Technology (I) and (II).

2. 碩二學生聽演講的次數，由專題報告二(上)(下)之任課老師規定之。

The number of lectures that second-year master' s students are required to attend shall be determined by the instructors of Seminar II (I) and (II).

填表人： 系(所)主管： 院長： 填表日期：