

Curricular planning for Master-degree program  
Department of Applied Chemistry, Chaoyang University of Technology  
(applicable to day division students enrolled in 2023)

Academic Year	First Year						Second Year					
	First Semester			Second Semester			First Semester			Second Semester		
	Subject	Hours	Credit	Subject	Hours	Credit	Subject	Hours	Credit	Subject	Hours	Credit
Required Courses	專題討論(一) Seminar (I)	1	1	專題討論(二) Seminar (II)	1	1	專題討論(三) Seminar (III)	1	1	專題討論(四) Seminar (IV)	1	1
	化學講座 Lecture in Chemistry	1	1	化學講座 Lecture in Chemistry	1	1	化學講座 Lecture in Chemistry	1	1	化學講座 Lecture in Chemistry	1	1
Subtotal		2	2		2	2		2	2		2	2
Elective Courses	應用化學專題(一) Special Topics on Applied Chemistry (I)	1	1	應用化學專題(二) Special Topics on Applied Chemistry (II)	1	1	應用化學專題(三) Special Topics on Applied Chemistry (III)	1	1	應用化學專題(四) Special Topics on Applied Chemistry (IV)	1	1
	物理化學特論 Special Topics in Physical Chemistry	3	3	有機光譜特論 Special Topics in Spectroscopy of Organic Chemistry	3	3	界面化學特論 Special Topics in Surface Chemistry	3	3	質譜分析特論	3	3
	無機化學特論 Special Topics in Inorganic Chemistry	3	3	有機合成特論 Special Topics in Organic Synthesis	3	3	奈米材料特論 Special Topic in Nanomaterials	3	3	蛋白質核磁共振光譜 Protein NMR	3	3
	有機反應特論 Special Topics in Organic Reactions	3	3	食品加工特論 Special Topics in Food Processing	3	3				光電材料特論 Introduction of Electrical and Optical Properties of Material	3	3
	分析化學特論 Special Topics in Analytical Chemistry	3	3	分離技術特論 Advance Techniques for Separation	3	3						
	生物巨分子光譜學 Spectroscopy of Bio-macromolecule	3	3	儀器分析特論 Special Topics in Instrumental Analysis	3	3						
	高分子化學特論 Special Topics in Polymer Chemistry	3	3	核磁共振光譜學特論 Special Topics in NMR Spectroscopy	3	3						
	複合材料特論 Special Topics in Composite Materials	3	3	材料分析化學特論 Special Topic in Analytical Technology of Material	3	3						
	食品分析化學 Chemistries in Food Analysis	3	3	藥物分析化學特論 Special Topics in Analytical Chemistry of Medicine	3	3						
	實驗設計分析 Design and Analysis of Experiments	3	3	科技論文寫作 Writing of Science and Technology Reports	2	2						
			綠色化學特論 Special Topics on Green Chemistry	3	3							
			民生產品檢驗分析特論 Special Topics in Chemical Analysis and Testing of Market Products	3	3							
Subtotal		28	28		33	33		7	7		10	10
University Requirements												
Required Courses				5 Courses 8 Credits								
Elective Courses				Minimum elective 16 Credits								
Recognition limit of credits provided by other departments				0 Credits								
Total Requirement				30 Credits 30 credits (incl. 6 credits on master-degree seeking theses)								

一、全校性規定：學生需修習並通過「學術研究倫理教育」相關課程後，始得申請學位考試。

二、本系之規定：

(一)經指導教授及系主任同意所修習本系碩士在職專班或外系碩士班之課程，得採計為本系碩士班之專業選修課程。

(二)「化學講座」為不擋修之學年課，須修滿4學期且均及格始可畢業。