

Curricular planning for Master-degree program
Department of Information Management, Chaoyang University of Technology
(applicable to day division students enrolled in 2026)

Academic Year	First Year						Second Year					
Semester	First Semester			Second Semester			First Semester			Second Semester		
	Subject	Hours	Credit	Subject	Hours	Credit	Subject	Hours	Credit	Subject	Hours	Credit
Required Courses	College Required											
	資訊講座 Speeches in Information Technology	1	1	資訊講座 Speeches in Information Technology	1	1						
Subtotal		1	1		1	1		0	0		0	0
Elective Courses	研究方法 Research Methods	3	3	專題討論(二) Seminar (II)	2	2	專題討論(三) Seminar (III)	2	2	專題討論(四) Seminar (IV)	2	2
	專題討論(一) Seminar (I)	2	2									
	Management											
	高等電子商務 Advanced Electronic Commerce	3	3	企業資源規劃 Enterprise Resources Planning	3	3	流程改善方法 Process Improvement Methodologies	3	3	管理心理學 Management Psychology	3	3
	知識管理 Knowledge Management	3	3	供應鏈管理 Supply Chain Management	3	3	企業資訊管理實務 Practices in Business Information Management	3	3	軟體品質管理 Software Quality Management	3	3
	高等軟體工程 Advanced Software Engineering	3	3	多變量分析 Multivariate Analysis	3	3						
				資訊科技管理 Information Science and Technology Management	3	3						
				管理資訊系統 Management Information Systems	3	3						
	Science and Technology											
	高等演算法 Advanced Algorithm	3	3	人工智慧與機器學習 Artificial Intelligence and Machine Learning	3	3	影像處理 Image Processing	3	3	資訊安全管理 Information Security Management	3	3
	資料探勘 Data Mining	3	3	類神經網路 Neural Networks	3	3	平行計算 Parallel Computing	3	3	多媒體資料庫 Multimedia Database	3	3
	進階雲端運算 Advanced Cloud Computing	3	3	代理人系統 Agent Systems	3	3	資訊隱藏 Information Hiding	3	3	圖形識別與機器學習 Pattern Recognition and Machine Learning	3	3
	高等作業研究 Advanced Operations Research	3	3	物件導向技術 Object Oriented Programming	3	3	生成式AI原理與應用 Generative AI principles and applications	3	3	數位學習系統 E-Learning Management System	3	3
	模糊理論與應用 Fuzzy Theory and Application	3	3	企業應用程式開發 Enterprise Application Development	3	3				多媒體壓縮技術 Multimedia Compression Technique	3	3
	高等資料庫系統 Advanced Database System	3	3	資訊融入教學設計 ICT in Teaching Design	3	3				產學實務研究 Industry Research Practice	9	9
	物聯網與大數據分析 Internet of Things and Big Data Analysis	3	3	企業資訊整合書報討論 Enterprise Information Integration Literature	2	2						
	數位學習發展與趨勢 The Evolution of E-Learning	3	3	互動多媒體書報討論 Interactive Multimedia Literature	2	2						
	知識管理與AI書報討論 Knowledge Management and AI Literature	2	2									
	智慧系統書報討論 Intelligent Systems Literature	2	2									
	Science and technology (digital multimedia applications)											
	3D遊戲程式 3D Game Programming	3	3	多人線上遊戲程式設計 Multi-player Online Game Programming	3	3	動態圖像設計 Motion Graphics Creative Project	3	3	展示科技 Display Technology	3	3
	3D模型研究與設計 3D model research and design	3	3	3D數位商品開發與行銷 3D digital product development and marketing	3	3	人機介面 Man-Machine Interface	3	3	動畫研究與應用 Animation Research and Application	3	3
Subtotal		48	48		45	45		26	26		38	38

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	Subject	Hours	Credit	Subject	Hours	Credit	Subject	Hours	Credit	Subject	Hours	Credit
University Requirements												
Required Courses				1 Courses 2 Credits								
Elective Courses				Minimum elective 24Credits								
Recognition limit of credits provided by other departments				6 Credits								
Total Requirement				38 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、全院性規定：「資訊講座」為必修課程。

三、本系之規定：

(一)「研究方法」為必選修課程。

(二)「專題討論」課程每學期至多得修習 2學分。

(三)本系修習資訊學院其他系所開設之課程列為專業選修。

(四)「產學實務研究」為選修 9學分校外實習課程。

(五)選修臺灣大專院校人工智慧學程聯盟(TAICA)跨院系學程之課程，得認列為系之專業選修學分。

四、可承認之非本系學分數上限包含外系學分、課程規劃中未有之本系課程。

1. University-Wide Regulations: Completing courses related to academic research ethics is a prerequisite for graduate students to apply for their degree examination.

2. College-wide regulation: "Information Seminar" is a required course.

3. Department regulations:

(1) "Research Methods" is required courses.

(2) The "Seminar" course can be taken for up to 2 credits per semester.

(3) Courses offered by other departments in the College of Informatics can be considered professional elective credits.

(4) "Industry Research Practice" is an optional 9 credit off-campus internship.

(5) Courses taken through the Taiwan Artificial Intelligence College Alliance (TAICA) interdisciplinary program may be recognized as major elective credits within the department.

4. The department will limit the recognition of credits provided by other departments, including undisclosed courses in the curriculum planning stage.