National University of Kaohsiung, Department of Information Management, Master's Program Required and Elective Courses List
For students admitted after the 2022 Academic Year

Required courses：15 credits

Course Name	Type	Credits	S1 Year 1	S2 Year 1	S1 Year 2	S2 Year 2	Note
Research Methodology(I)	Required	3	√				
Information Management	Required	3	√				
Seminar for Information Management Issues(I)	Required	1	√				
Research Methodology(II)	Required	3		√			
Introduction to Information Technology	Required	3		√			
Seminar for Information Management Issues(II)	Required	1		√			
Seminar for Information Management Issues(II)	Required	1			√		

Elective courses 15 credits

Course Name	Type	Credits	S1 Year 1	S2 Year 1	S1 Year 2	S2 Year 2	Note
Special Topics in Information Management(I)	Elective	1	√				
Information Technology and Corporate Strategy	Elective	3	√				
Information Technology Trend and Practical Business English	Elective	3	√				
Electronic Commerce Research	Elective	3	√				
Investment and financial management practice	Elective	3	√				
Information Technology & Service Innovation	Elective	3	√				
Special Topics in Information Technology(I)	Elective	1	√				
Information Retrieval	Elective	3	√				

Elective courses 15 credits							
Course Name	Type	Credits	S1 Year 1	S2 Year 1	S1 Year 2	S2 Year 2	Note
Advanced Database Management	Elective	3	√				
Advance Network Management	Elective	3	√				
Information and Technology Management	Elective	3	√				
Data Analytics and Visualization	Elective	3	√				
Information Systems Research	Elective	3	√				
Deep Neural Network I	Elective	3	√				
Deep Reinforcement Learning I	Elective	3	√				
Special Topics in Information Management(II)	Elective	1		√			
Web Consumer Behavior	Elective	3		√			
Knowledge Management Research	Elective	3		√			
Supply Chain Management	Elective	3		√			
Digital Marketing	Elective	3		√			
English Presentation Skills	Elective	3		√			
Information Technology and Business Models	Elective	3		√			
Enterprise Visiting	Elective	4		√			
Special Topics in Information Technology(II)	Elective	1		√			
Data Mining and Knowledge Discovery	Elective	3		√			
Digital Games Design	Elective	3		√			
Social media management and analysis	Elective	3		√			
Internet of Things	Elective	3		√			
Managerial Mathematics	Elective	3		√			
Introduction to Deep Learning	Elective	3		√			
Application of Deep Learning Techniques to Real World Problems	Elective	3		√			
Unmanned Vehicle Design and Application	Elective	3		√			
Indoor Localization Tracking and Unmanned Vehicle Application	Elective	3		√			
Special Topics in Information Management(III)	Elective	1			√		
Internship Ⅱ	Elective	6					Classes are only offered during the summer semester.

Elective courses 15 credits							
Course Name	Type	Credits	S1 Year 1	S2 Year 1	S1 Year 2	S2 Year 2	Note
Internship I	Elective	9			√		
Internship Ⅲ	Elective	3			√		
Special Topics in Information Technology(III)	Elective	1			√		
Special Topics in Information Management(IV)	Elective	1				√	
Special Topics in Information Technology(IV)	Elective	1				√	
Seminar for Information Management Issues(IV)	Elective	1				√	

1. Prerequisite courses(0 credits)：
   ➢ Database Management、Systems Analysis and Design、Computer Network (Select two out of three).
   ➢ Take at least two courses related to Program Design.
   ➢ Business Management、Introduction to Information Management (Choose one out of two).
   ➢ Statistics(II).
2. Each semester, course enrollment must be approved and signed by the advisor.
3. In elective courses, students must select at least one course from the management category and one course from the technical category.