

Tungnan University Institute of Industrial Management Master's Program Credit Hours Required (For 115th Academic Year)

Academic Year		1st Academic Year						2nd Academic Year					
Professional Compulsory		Semester		1st Semester		2nd Semester		Semester		1st Semester		2nd Semester	
		Courses		Credits	Hours	Credits	Hours	Courses		Credits	Hours	Credits	Hours
		Seminar I		1	1			Special Topics I		1	1		
		Seminar II				1	1	Special Topics II				1	1
		Applied Statistics		3	3			Thesis				6	0
		Research Methods				3	3						
Semester		1st Semester (Credits/Hours)						2nd Semester(Credits/Hours)					
		Courses				Credits	Hours	Courses				Credits	Hours
Business and Industry Group	Special Topics on Production and Operations Management				3	3	Internet of Things Seminar				3	3	
	Special Topics on Marketing Management				3	3	Seminar on Financial Statement Analysis				3	3	
	Organizational Behavior Seminar				3	3	Symposium on Purchasing and Inventory Management				3	3	
	Seminar on Logistics Management				3	3	Multivariate Analysis				3	3	
	Analysis on Macroeconomic				3	3	Special Topics on Quality Management				3	3	
	Digital Media Technology				3	3	Artificial Intelligence				3	3	
	Knowledge Management Seminar				3	3	Special Topics on Project Management				3	3	
	Business Intelligence				3	3	Smart Life Technology				3	3	
	Decision Analysis				3	3	Futures and Options				3	3	
	Analysis on Macroeconomic				3	3	Digital Content Case Study				3	3	
	Innovation Management Seminar				3	3	★Seminar on Cross-Border e-Commerce				3	3	
	Corporate Financial Strategic Case Study				3	3	Special Topics on Risk Management				3	3	
	Derivative Financial Products				3	3	Management Case Studies				3	3	
	Virtual Reality Seminar				3	3	★Human Factors Engineering Seminar				3	3	
	Technology Management and Technology Laws				3	3	Stock Technical Analysis and Application				3	3	
	★Advanced Human Factors Engineering				3	3	Experimental Design				3	3	
	Industrial Management and Analysis				3	3	Massive Data Analysis				3	3	
	Psychological Foundations in H. F. Engineering				3	3	Physiological Basis of Human Factors Engineering				3	3	
	Seminar of Customer Relationship Management				3	3	Consumer Behavior Analysis				3	3	
	★Economic Statistics Analysis				3	3	Seminar on ISO International Standards				3	3	
	Quality Engineering				3	3	★Management Performance Evaluation				3	3	
	Reliability Analysis				3	3	Seminar on Organizational Management				3	3	
	Green Energy Technology Symposium				3	3	Seminar on the Application of Human-Machine Systems				3	3	
	Special Topics in Total Quality Management				3	3	Seminar on Investment Practices				3	3	
	General Introduction to Industrial Operations and Management				3	3	Special Seminar on Supply Chain Management				3	3	
	Computer Software Applications (Class B) I				3	3	Direct Study of Thesis Writing				3	3	
							Computer Software Applications (Class B) II				3	3	
	Special Topics on Eco-Tourism				3	3	Corporate Social Responsibility				3	3	
	Special Topics on Sustainable Tourism				3	3	★Special Topics on Tourism Management				3	3	
	Symposium on Operation and Management of Hospitality Industry				3	3	Seminar in Human Resource Management				3	3	

Tourism, Hospitality and Leisure Group	Special Topics on Regional Revitalization Industry	3	3	Special Topics on Service Quality Mangement	3	3
	Theory and Practice of Physical Fitness	3	3	Leisure Seminar for Silver-Haired People	3	3
	Special Topics on Food Culture	3	3	Innovation Management in Leisure Industry	3	3
	Seminar on Food Safety	3	3	Symposium on Green Tourism Management	3	3
	Special Topics on Environmental Education	3	3	Special Topics on Leisure Farm in Taiwan	3	3
	★Tourism and Recreation Case Study	3	3	Special Issue in Sports Injury	3	3
	Symposium on Sensory Evaluation of Tea	3	3	Health Meal Study	3	3
	Leisure Treatment Seminar	3	3	Tourism Development and Glocalisation	3	3
	Sports, Leisure and Health Management	3	3	★Seminar of HACCP	3	3
	Leisure Society Psychology	3	3	Seminar in Hotel Management	3	3
	★Conference and Exhibition Management Seminar	3	3	Special Topics on Sports Physiology	3	3
	★Special Discussion on Consumption Behavior of Food and Beverage	3	3	Special Treatise on Sports Nutrition	3	3
	Special Topics on Transportation Operations	3	3	Specialty Coffee Seminar	3	3
	Seminar on Planning and Design of Tourism and Recreation Industry	3	3	Special Seminar on the Application of Information Technology in Tourism and Catering	3	3
	Special Topics on Development and Investment in Leisure Industry	3	3	Special Essay on ESG Sustainable Management	3	3
General Introduction to Industrial Operations and Management	3	3	Special Seminar on Supply Chain Management	3	3	
Direct Study of Thesis Writing	3	3				
★The marked courses are advanced courses. Students in non-related fields must complete at least one relevant basic course before they can take electives.						

Academic Year	1st Academic Year (Credits/Hours)						1st Academic Year (Credits/Hours)					
Semester	Semester	1st Semester		2nd Semester		Semester	1st Semester		2nd Semester			
		Credits	Hours	Credits	Hours		Credits	Hours	Credits	Hours		
	Professional Compulsory Subtotal(Credits/Hours)	4	4	4	4	Professional Compulsory Subtotal(Credits/Hours)	1	1	7	1		
	Professional Electives Subtotal(Credits/Hours)	6	6	6	6	Professional Electives Subtotal(Credits/Hours)	6	6	3	3		
	Semester Subtotal(Credits/Hours)	10	10	10	10	Semester Subtotal(Credits/Hours)	7	7	10	4		
	Semester total(Credits/Hours)	10	10	20	20	Semester total(Credits/Hours)	27	27	37	31		
Remark 1	Graduation Threshold: Before graduation, graduate students are required to have published one domestic or international symposium paper or journal article.											
Remark 2	1. This form is applicable to students enrolled in the Master's program in the 115th academic year. 2. The number of courses and credits taken in each of the first four semesters of the master's program shall not be less than 2 credits and not more than 14 credits. 3. Students of the Master's program must pass the oral examination of the Master's degree thesis before graduation and obtain 6 credits of required professional credits. 4. The minimum number of credits for graduation is 37 credits (including 10 credits of required courses, 6 credits of master's thesis, and at least 21 credits of professional electives). 5. Students who are admitted to the university in accordance with Article 7 of the Criteria for the Recognition of Equivalent Academic Qualifications for Admission to Universities, which states that students must demonstrate outstanding achievement in their field, are required to take at least 6 credits of remedial courses, which must be approved by the supervising professors and the head of the institute (department), and will not be counted as credits for graduation from the master's program. ear. 6. Professional electives are courses that are common to both the first and second year of study.											