

**MUST Curriculum Planning for Graduate Students for Academic Year 2024-2025,
Institute of Industrial Engineering and Management**

1st year(2024)					2nd year(2025)							
	Course	1st semester		2 nd semester			Course	1st semester		2 nd semester		
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.	
School Professional Required Courses						School Professional Required Courses						
	Subtotal	0	0	0	0			Subtotal	0	0	0	0
Compulsory Courses	Research Method and Seminar Discussion	3	3			Compulsory Courses	Thesis	3	3	3	3	
	Advanced Technical English			3	3							
	Subtotal	3	3	3	3			Subtotal	3	3	3	3
Elective Courses	Life Cycle Assessment	3	3			Elective Courses						
	Reliability Engineering	3	3									
	New Product Design and Management	3	3									
	Greenhouse Gases Management and Practice	3	3									
	Strategies for Sustainable Development	3	3									
	The practice Human Factors Engineering	3	3									
	Special topics in Operations Management	3	3									
	Bussiness Model and Bussiness Strategy	3	3									
	Advanced Topics in Project Management	3	3									
	Special Topics on Supply Chain Management			3	3							
	System Satefy and Risk Management			3	3							
	Product Carbon Footprint Assessment			3	3							
	Lean Production System			3	3							
	6σ Quality Engineering Management			3	3							
	Management & Performance Evaluation			3	3							
	Analytical Hierarchy Process and Applications			3	3							
	Theory and Practice of Enterprise Resource Planning			3	3							
	Organization Theory and Design			3	3							
Simulation Analysis & Applications			3	3								
Problem Analysis and Decision Making			3	3								

Cr./hr.=Credit/hour

【Remarks】

1. Minimum graduation credits: 30 credits, including 18 elective credits (at least 9 credits for this major, the rest can be other departments).
2. Study credits per semester: the lower limit is 1 credit.
3. Students must earn at least one English as a Medium of Instruction course credit (2 credits or more) to graduate from the program.
4. All 6 thesis credits will be granted only after passing the oral exam.
5. Elective courses for listed are subject to change if necessary.
6. According to university regulations, students are required to meet the graduation requirement of basic proficiency and professional skills.