Department of Industrial Engineering and Management
Curriculum Requirements for Enrollees in the Academic Year 114 (Fall 2025)

<table>
<tr><td>Program</td><td colspan="4">Master's Program for the Day Division</td></tr>
<tr><td>Group</td><td colspan="4">None</td></tr>
<tr><td>Class Type</td><td colspan="4">Regular Class</td></tr>
<tr><td>Special Program</td><td colspan="4">None</td></tr>
<tr><td rowspan="4">Curriculum Committee</td><td>Department Curriculum</td><td colspan="3">114.04.24；115.08.31</td></tr>
<tr><td>College Curriculum</td><td colspan="3">114.05.16；115.09.11</td></tr>
<tr><td>University Curriculum</td><td colspan="3">114.06.09；115.09.21</td></tr>
<tr><td>Academic Affairs</td><td colspan="3">114.06.09；115.09.21</td></tr>
<tr><td>Graduation Credits /Study Duration</td><td colspan="4">At least 30 credits required (plus 6 thesis credits), with a study period of 1－4 years; actual graduation credits based on the table below.</td></tr>
<tr><td>Credit Load per Semester</td><td colspan="4">The courses and credits required for each semester are determined by the respective departments (or institutes). However, during the first academic year, the total number of credits per semester must not be fewer than 6 credits and not exceed 18 credits.</td></tr>
<tr><td>Required and Elective</td><td>Credits</td><td>Subject Category</td><td colspan="2">Credits</td></tr>
<tr><td rowspan="3">Required</td><td rowspan="3">15 Credits</td><td>General Education</td><td colspan="2">0 Credits</td></tr>
<tr><td>Major Required</td><td colspan="2">15 Credits</td></tr>
<tr><td>College Major</td><td colspan="2">0 Credits</td></tr>
<tr><td rowspan="3">Elective</td><td rowspan="3">15 Credits</td><td>General Education Liberal Arts Elective</td><td colspan="2">0 Credits</td></tr>
<tr><td>Major Elective</td><td colspan="2">15 Credits</td></tr>
<tr><td>College professional selective courses</td><td colspan="2">0 Credits</td></tr>
<tr><td>Graduation</td><td>Course Title</td><td colspan="2">Description</td><td>Regulations/Notes</td></tr>
<tr><td>Thesis</td><td>Thesis</td><td colspan="2">Graduate thesis</td><td>Degree Conferral and Graduate Degree Examination Regulations</td></tr>
<tr><td>Other Regulations</td><td colspan="4"></td></tr>
<tr><td>Remarks</td><td colspan="4">"Computer Course" means computer access is required (computer and internet usage fee).
Graduation Requirements:
「G07」：Thesis
Course Notes:
「T02」：EMI Courses (English-Medium Instruction) are offered as scheduled during the semester.</td></tr>
</table>

First Semester, First Year					Second Semester, First Year				
Course Category	Course Number	Course Name	Credits /Hours	Notes	Course Category	Course Number	Course Name	Credits /Hours	Notes
Major Required	M06403	Advanced Production and Operations Management	3/3		Major Required	M06A32	Seminar(2)	2/2	
Major Required	M06A31	Seminar(1)	2/2		Major Required	M06A33	Research Methods	2/2	
Major Elective	M06N01	Stochastic Models and Applications	3/3		Major Elective	M06N03	Introduction to Fuzzy Theory with Applications	3/3	
Major Elective	M06N05	Advanced Engineering Economy	3/3		Major Elective	M06N09	Design and Analysis of Experiments	3/3	
Major Elective	M06N08	Advanced Quality Management	3/3		Major Elective	M06N13	Inventory Management	3/3	
Major Elective	M06N34	System Simulation	3/3		Major Elective	M06N15	Manufacturing Management	3/3	
Major Elective	M06N49	Statistical Data Analysis	3/3		Major Elective	M06N19	Six Sigma	3/3	
Major Elective	M06N55	Operations Research Specoal theory	3/3		Major Elective	M06N28	Performance Evaluation and Management	3/3	
Major Elective	M06N56	International Supply Chain Management	3/3	T02	Major Elective	M06N42	Multi-objective Programming	3/3	
Major Elective	M06N68	Taguchi Method Application	3/3		Major Elective	M06N43	Automatic Production System	3/3	
Major Elective	M06N78	Scheduling Theory and Strategy	3/3		Major Elective	M06N44	Operation Risk Management	3/3	
Major Elective	M06N79	Project Management Seminar	3/3		Major Elective	M06N50	TRIZ Methods	3/3	
Major Elective	M06N80	Human Resource Management Specoal theory	3/3		Major Elective	M06N54	Reliability engineering Special theory	3/3	
Major Elective	M06N81	Marketing Strategy	3/3		Major Elective	M06N57	Human factors engineering Special theory	3/3	
Major Elective	M06N82	Creative Thinking	3/3		Major Elective	M06N70	Consumer Behavior	3/3	
Major Elective	M06N83	Regression Analysis	3/3		Major Elective	M06N71	International Marketing Management	3/3	
Major Elective	M06N64	New Product Development Management	3/3		Major Elective	M06N77	Analytic Hierarchy Process Application	3/3	
					Major Elective	M06N84	Multivariate Statistical Analysis	3/3	
					Major Elective	M06N85	Data mining	3/3	
50 Credits, 50 Hours					55 Credits, 55 Hours				

First Semester, Second Year					Second Semester, Second Year				
Course Category	Course Number	Course Name	Credits /Hours	Notes	Course Category	Course Number	Course Name	Credits /Hours	Notes
					Major Required	M06B03	Thesis	6/6	G07
0 Credits, 0 Hours					6 Credits, 6 Hours				