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">International Industrial Talent Education Program (New-Type Program)</td></tr>
<tr><td>Special Program</td><td colspan="4">Spring Semester Class</td></tr>
<tr><td rowspan="4">Curriculum Committee</td><td>Department Curriculum</td><td colspan="3">113.09.02；115.08.31</td></tr>
<tr><td>College Curriculum</td><td colspan="3">113.09.11；115.09.11</td></tr>
<tr><td>University Curriculum</td><td colspan="3">113.09.23；115.09.21</td></tr>
<tr><td>Academic Affairs</td><td colspan="3">113.09.23；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">28 Credits</td><td>General Education</td><td colspan="2">0 Credits</td></tr>
<tr><td>Major Required</td><td colspan="2">28 Credits</td></tr>
<tr><td>College Major</td><td colspan="2">0 Credits</td></tr>
<tr><td rowspan="3">Elective</td><td rowspan="3">14 Credits</td><td>General Education Liberal Arts Elective</td><td colspan="2">0 Credits</td></tr>
<tr><td>Major Elective</td><td colspan="2">14 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">1.碩士班研究生修業規定:
含高等生產與作業管理3學分、論文6學分、書報討論0學分二學期、研究方法0學分一學期、產業實習18學分。
2.華測成績未達B1級者應修華語文課程。</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</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	M06A02	Seminar(2)	0/2		Major Required	M06403	Advanced Production and Operations Management	3/3	
Major Required	M06A05	Research Methods	0/2		Major Required	M06A01	Seminar(1)	0/2	
Major Required	M06A17	Volunteer Services and Social Responsibility (2)	0/1		Major Required	M06A16	Volunteer Services and Social Responsibility (1)	0/1	
Major Elective	M06N08	Advanced Quality Management	3/3		Major Elective	M06N15	Manufacturing Management	3/3	
Major Elective	M06N40	Scheduling Theory and Strategy	3/3		Major Elective	M06N19	Six Sigma	3/3	
Major Elective	M06N41	Data mining	3/3		Major Elective	M06N28	Performance Evaluation and Management	3/3	
Major Elective	M06N52	Project Management Seminar	3/3		Major Elective	M06N43	Automatic Production System	3/3	
Major Elective	M06N56	International Supply Chain Management	3/3		Major Elective	M06N49	Statistical Data Analysis	3/3	
Major Elective	M06N62	IoT Application	3/3		Major Elective	M06N71	International Marketing Management	3/3	
Major Elective	M06N76	Green Energy and Carbon Reduction Technologies	3/3		Major Elective	M06N75	New Energy Development Trends	3/3	
21 Credits, 26 Hours					24 Credits, 27 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	M06A23	Industrial Internship (2)	9/9		Major Required	M06A18	Volunteer Services and Social Responsibility (3)	0/1	
Major Required	M06A37	Volunteer Services and Social Responsibility (4)	1/1		Major Required	M06A22	Industrial Internship (1)	9/9	
Major Required	M06B03	Thesis	6/6	G07					
Major Elective	M06N72	Summer Internship	3/3						
19 Credits, 19 Hours					9 Credits, 10 Hours				