

# Department of Industrial Engineering and Management

## Curriculum Requirements for Enrollees in the Academic Year 113 (Fall 2024)

Program	Four-year technical college program of the Department for Division of Continuing								
Group	None								
Class Type	Regular Class								
Special Program	None								
Curriculum Committee	Department Curriculum		113.04.19						
	College Curriculum		113.05.23						
	University Curriculum		113.06.03						
	Academic Affairs		113.06.03						
Graduation Credits /Study Duration	At least 128 credits required (normally 4 years).								
Credit Load per Semester	The minimum number of credits per semester is 9 credits.								
Required and Elective	Credits		Subject Category		Credits				
Required	79 Credits		General Education		16 Credits				
			Major Required		63 Credits				
			College Major		0 Credits				
Elective	49 Credits		General Education		8 Credits				
			Major Elective		41 Credits				
Other Regulations									
Remarks	"Computer Course" means computer access is required (computer and internet usage fee).								
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
General Education	996906	Literary Appreciation and Expression	2/2		General Education	996A06	Chinese Reading and Writing	2/2	
General Education	992106	English(1)	2/2		General Education	992206	English(2)	2/2	
General Education	991506	Physical Education(1)	2/2		General Education	991606	Physical Education(2)	2/2	
Major Required	906438	Industrial Engineering and Management	2/2		Major Required	906405	Statistics(1)	3/3	
Major Required	906442	Manufacturing Processes	3/3		Major Required	906436	Economics	2/2	
Major Required	906443	Computer Aided Drawing	3/3	Computer Course	Major Required	906446		3/3	
Major Required	906454	Calculus	2/2		Major Required	906448	Human Factors Engineering	2/2	
Major Required	906055	Computational Thinking and Creative Programming	2/2	Computer Course	Major Required	906060	Multimedia Production	2/2	Computer Course
18 Credits, 18 Hours					18 Credits, 18 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
General Education	997A00	General Courses (I)	2/2		General Education	996306	Practical Chinese	2/2	
Major Required	906406	Statistics(2)	3/3		General Education	992906	English Conversation	2/2	
Major Required	906408	Work Study	3/4		General Education	997B00	General Courses (II)	2/2	
Major Required	906444	Data Base Management System	2/2	Computer Course	Major Required	906409	Material Management	3/3	
Major Required	906456	Engineering Economy	2/2		Major Required	906480		3/3	
Major Elective	906875	Professional Morality and Ethics in Business	2/2		Major Required	906061	Application of Internet	2/2	Computer Course
Major Elective	906882	Cost Accounting	2/2		Major Elective	906876	Career Counselling	2/2	
					Major Elective	906880	Finance Management	2/2	
16 Credits, 17 Hours					18 Credits, 18 Hours				
First Semester, Third Year					Second Semester, Third Year				
Course Category	Course Number	Course Name	Credits/Hours	Notes	Course Category	Course Number	Course Name	Credits/Hours	Notes
General Education	997C00	General Courses(III)	2/2		General Education	997D00	General Courses (IV)	2/2	
Major Required	906415	Quality Management	3/4		Major Required	906452	Enterprise Resource Planning	3/3	
Major Required	906450		3/4		Major Required	906455	Production and Operations Management	3/4	
Major Elective	906805	Material Requirement Planning	3/3		Major Elective	906815	Quality Assurance	3/3	
Major Elective	906861	System Analysis and Design	3/3	Computer Course	Major Elective	906851	E-commerce	3/3	
Major Elective	906866	Commercial Automatic	3/3		Major Elective	906859	Logistics Management	3/3	
Major Elective	906883	Industrial Safety and Hygiene	3/3		Major Elective	906863	Strategy Management	3/3	
Major Elective	906887		3/3						
23 Credits, 25 Hours					20 Credits, 21 Hours				
First Semester, Fourth Year					Second Semester, Fourth Year				
Course Category	Course Number	Course Name	Credits/Hours	Notes	Course Category	Course Number	Course Name	Credits/Hours	Notes
Major Required	906418	Facilities Planning	3/4		Major Required	906437	Human Resources Management	3/3	
Major Required	906470	Practical project	3/3		Major Elective	906819	Project Management	3/3	
Major Elective	906827	Computer Integrated Manufacturing	3/3		Major Elective	906826	Management Case Study	3/3	
Major Elective	906828	Reliability Engineering	3/3		Major Elective	906830	Supply Chain Management	3/3	
Major Elective	906839	Production Automation	3/3		Major Elective	906831	Total Quality Management	3/3	

Major Elective	906872	Enterprise Resource Planning System	3/3		Major Elective	906833	Responsible consumption and production	3/3	
Major Elective	906879	Distribution Industry Management	3/3		Major Elective	906835	Investment and Finance	3/3	
					Major Elective	906873	Introduction of Operation Risk Management	3/3	
21 Credits, 22 Hours					24 Credits, 24 Hours				