Department of Industrial Engineering and Management
Curriculum Requirements for Enrollees in the Academic Year 112 (Fall 2023)

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	112.04.14	
	College Curriculum	112.05.17	
	University Curriculum	112.05.29	
	Academic Affairs	112.05.29	
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	77 Credits	General Education	17 Credits
		Major Required	60 Credits
		College Major	0 Credits
Elective	51 Credits	General Education	8 Credits
		Major Elective	43 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	996106	Chinese(1)	2/2		General Education	996206	Chinese(2)	2/2	
General Education	992106	English(1)	2/2		General Education	992206	English(2)	2/2	
General Education	991106	Physical Education(1)	1/2		General Education	991206	Physical Education(2)	1/2	
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	906054	Computational Thinking and Creative Programming	1/2	Computer Course	Major Required	906434	Multimedia Production	1/2	Computer Course
16 Credits, 18 Hours					16 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	992306	Aural-Oral Training in English	2/2		General Education	996306	Practical Chinese	2/2	
General Education	991306	Physical Education(3)	1/2		General Education	992406	English Conversation	1/2	
General Education	997A00	General Courses (I)	2/2		General Education	991406	Physical Education(4)	1/2	
Major Required	906406	Statistics(2)	3/3		General Education	997B00	General Courses (II)	2/2	
Major Required	906408	Work Study	3/4		Major Required	906409	Material Managemen	3/3	
Major Required	906444	Data Base Management System	2/2	Computer Course	Major Required	906480		3/3	
Major Required	906456	Engineering Economy	2/2		Major Required	906445	Application of Internet	1/2	Computer Course
Major Elective	906875	Professional Morality and Ethics in Business	2/2		Major Elective	906876	Career Counselling	2/2	
Major Elective	906882	Cost Accounting	2/2		Major Elective	906880	Finance Management	2/2	
19 Credits, 21 Hours					17 Credits, 20 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	906851	E-commerce	3/3	
Major Elective	906861	System Analysis and Design	3/3	Computer Course	Major Elective	906859	Logistics Management	3/3	
Major Elective	906866	Commercial Automatic	3/3		Major Elective	906863	Strategy Management	3/3	
Major Elective	906887		3/3		Major Elective	906883	Industrial Safety and Hygiene	3/3	
20 Credits, 22 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	906815	Quality Assurance	3/3		Major Elective	906826	Management Case Study	3/3	
Major Elective	906827	Computer Integrated Manufacturing	3/3		Major Elective	906830	Supply Chain Management	3/3	

Major Elective	906828	Reliability Engineering	3/3		Major Elective	906831	Total Quality Management	3/3	
Major Elective	906839	Production Automation	3/3		Major Elective	906835	Investment and Finance	3/3	
Major Elective	906872	Enterprise Resource Planning System	3/3		Major Elective	906873	Introduction of Operation Risk Management	3/3	
Major Elective	906879	Distribution Industry Management	3/3						
24 Credits, 25 Hours					21 Credits, 21 Hours				