Department of Industrial Engineering and Management

Curriculum Requirements for Enrollees in the Academic Year 110 (Fall 2021)

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			
	College Curriculum			
	University Curriculum	110.06.07		
	Academic Affairs	110.06.07		
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	12 Credits
		Major Required	65 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	906020	Chinese(1)	2/2		General Education	906025	Chinese(2)	2/2	
General Education	906021	English(1)	2/2		General Education	906026	English(2)	2/2	
General Education	906015	Physical Education(1)	1/2		General Education	906016	Physical Education(2)	1/2	
Major Required	906419	Manufacturing Processes	2/3		Major Required	906405	Statistics(1)	3/3	
Major Required	906438	Industrial Engineering and Management	2/2		Major Required	906436	Economics	2/2	
Major Required	906439	Computer-aided Drawing	2/3	Computer Course	Major Required	906441	Accounting	2/3	
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
Major Required	906052	All-out Defense Education Military Training – International Situations	0/2		Major Required	906053	All-out Defense Education Military Training –Defense Mobilization	0/2	

14 Credits, 20 Hours					15 Credits, 20 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	906017	Physical Education(3)	1/2		General Education	906018	Physical Education(4)	1/2	
General Education	900A00	General Courses (I)	2/2		General Education	900B00	General Courses (II)	2/2	
Major Required	906049	Aural-Oral Training in English	2/2		Major Required	906033	Practical Chinese	2/2	
Major Required	906406	Statistics(2)	3/3		Major Required	906035	Contemporary Taiwan and modern world	2/2	
Major Required	906408	Work Study	3/4		Major Required	906051	English conversation	1/2	
Major Required	906444	Data Base Management System	2/2	Computer Course	Major Required	906409	Material Managemen	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	906445	Application of Internet	1/2	Computer Course
Major Elective	906882	Cost Accounting	2/2		Major Elective	906876	Career Counselling	2/2	
					Major Elective	906880	Finance Management	2/2	

19 Credits, 21 Hours					19 Credits, 22 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	900C00	General Courses(III)	2/2		General Education	900D00	General Courses (IV)	2/2	
Major Required	906036	Human Rights and Legal Education	2/2		Major Required	906452	Enterprise Resource Planning	3/3	
Major Required	906413	Marketing Management	3/3		Major Required	906455	Production and Operations Management	3/4	
Major Required	906415	Quality Management	3/4		Major Elective	906851	E-commerce	3/3	
Major Elective	906805	Material Requirement Planning	3/3		Major Elective	906859	Logistics Management	3/3	
Major Elective	906861	System Analysis and Design	3/3	Computer Course	Major Elective	906863	Strategy Management	3/3	
Major Elective	906866	Commercial Automatic	3/3		Major Elective	906883	Industrial Safety and Hygiene	3/3	
Major Elective	906884		2/2						

21 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	906457	Practical Project	2/3		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	906828	Reliability Engineering	3/3	
Major Elective	906830	Supply Chain Management	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						
23 Credits, 25 Hours					21 Credits, 21 Hours				