Department of Industrial Engineering and Management
Curriculum Requirements for Enrollees in the Academic Year 113 (Fall 2024)

Program	International Foundation Program			
Group	None			
Class Type	Regular Class			
Special Program	None			
Curriculum Committee	Department Curriculum	113.09.02；115.08.31		
	College Curriculum	113.09.11；115.09.11		
	University Curriculum	113.09.23；115.09.21		
	Academic Affairs	113.09.23；115.09.21		
Graduation Credits /Study Duration	At least 128 credits required (normally 4 years).			
Credit Load per Semester	Students in Grades 1 and 2 must take no fewer than 16 credits and no more than 28 credits per semester. Students in Grades 3 and 4 must take no fewer than 9 credits and no more than 25 credits per semester.			
Required and Elective	Credits	Subject Category	Credits	
Required	104 Credits	General Education	38 Credits	
		Major Required	66 Credits	
		College Major	0 Credits	
Elective	24 Credits	General Education Liberal Arts Elective	4 Credits	
		Major Elective	20 Credits	
		College professional selective courses	0 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 Core Required	F06110	Physical Education(1)	2/2		General Education Core Required	F06111	Physical Education(2)	2/2	
General Education Core Required	F06114	Community Service & Learning (1)	0/1		General Education Core Required	F06115	Community Service & Learning (2)	0/1	
General Education Core Required	F06095	English(1)	2/2		General Education Core Required	F06096	English(2)	2/2	

General Education Core Required	F99106	Chinese (1)	4/4		General Education Core Required	F99206	Chinese (2)	4/4	
Major Required	F06107	Computational Thinking and Creative Programming	3/3		Major Required	F06108	Programming Language	3/3	
Major Required	F06407	Calculus	3/3		Major Required	F06429	Manufacturing Processes	3/3	
Major Required	F06421	Industrial Engineering and Management	3/3		Major Required	F06434	Introduction of Measurement	3/3	
					Major Required	F06803	Accounting	3/3	

17 Credits, 18 Hours					20 Credits, 21 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 Core Required	F06112	Physical Education(3)	2/2		General Education Core Required	F06113	Physical Education(4)	2/2	
General Education Core Required	F06116	Community Service & Learning (3)	0/1		General Education Core Required	F06117	Community Service & Learning (4)	0/1	
General Education Core Required	F06097	English(3)	2/2		General Education Core Required	F06098	English(4)	2/2	
General Education Core Required	F99306	Chinese (3)	4/4		General Education Core Required	F99406	Chinese (4)	4/4	
Major Required	F06408	Statistics	3/3		Major Required	F06409	Information Analysis and Application	3/3	
Major Required	F06410	Computer Aided Graphics	3/3		Major Required	F06433	Work Study	3/3	
Major Required	F06424	Material Managemen	3/3		Major Required	F06802	English for Industrial Engineering	2/2	
Major Required	F06911	Managing English Introduction	2/2		Major Elective	F06822	Engineering Economy	3/3	
					Major Elective	F06981	Intelligent robot application	3/3	

19 Credits, 20 Hours					22 Credits, 23 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 Core Required	F06126	Community Service & Learning (5)	0.5/1		General Education Core Required	F06127	Community Service & Learning (6)	0.5/1	
General Education Core Required	F99506	Chinese (5)	2/2		General Education Core Required	F99606	Chinese (6)	2/2	
Major Required	F06412	Commercial Automatic	2/2		Major Required	F06411	Database Management System	3/3	
Major Required	F06414	Logistics Management	2/2		Major Required	F06413	Production Automation	2/2	
Major Required	F06436	Quality Management	3/3		Major Required	F06415	Financial Management	2/2	
Major Required	F06484	Marketing Management	3/3		Major Required	F06438	Production and Operations Management	3/3	

Major Required	F06512	Operations Research	3/3		Major Required	F06439	Facilities Planning	3/3	
Major Elective	F06885	Supply Chain Management	3/3		Major Elective	F06824	Quality Assurance	3/3	
Major Elective	F06892	Human Resources Management	3/3		Major Elective	F06887	Marketing Research	3/3	
Major Elective	F06986	IndustryAnalysis	3/3		Major Elective	F06901	Enterprise resource planning	3/3	
24.5 Credits, 25 Hours					24.5 Credits, 25 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
General Education Core Required	F06128	Community Service & Learning (7)	0.5/1		General Education Core Required	F06129	Community Service & Learning (8)	0.5/1	
General Education Liberal Arts Elective	F06105	Technologica English Writing	2/2		General Education Liberal Arts Elective	F06106	Technological English Presentation	2/2	
Major Elective	F06827	Computer Aided Manufacturing	3/3		Major Elective	F06829	Project Management	3/3	
Major Elective	F06828	Total Quality Management	3/3		Major Elective	F06889	Management Case Study	3/3	
Major Elective	F06930	Enterprise Resource Planning System	3/3		Major Elective	F06941	ERP production module applications	3/3	
Major Elective	F06937	Strategy Management	3/3		Major Elective	F06966	Semester Internship(2)	9/9	
Major Elective	F06961	Semester Internship (1)	9/9						
23.5 Credits, 24 Hours					20.5 Credits, 21 Hours				