Department of Industrial Engineering and Management Curriculum Requirements for Enrollees in the Academic Year 111 (Fall 2022)

Prog	gram	Four-year technical co	ollege	progr	am of the I	Day Divisio	n				
Gro	oup	None									
Class	з Туре	Regular Class									
Special	Program	None									
Curriculum Committee		Department Curriculum									
		College Curriculum									
		University Curriculum	um 111.06.06								
		Academic Affairs	111. 06. 06								
Graduatio /Study I	on Credits 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 ar	nd Elective	Credits	Subject Category			Credits					
			Genei		eneral Education		16 Credits				
Requ	iired	84 Credits	Major Required			68 Credits					
			College Major			0 Credits					
			General Education			8 Credits					
Elec	etive	44 Credits	Major Elective			36 Credits					
Other Reg	gulations					I.					
Rema	arks	"Computer Course" mean	ns com	puter	access is 1	required (c	computer and internet u	sage f	ee).		
First S		emester, First Year				Second Semester, First Year					
Course	Course	Course Name	Credits / Hours	Notes	Course	Course	Course Name	Credits / Hours	Notes		
General Education	406043	Chinese (I)	2/2		General Education	406044	Chinese (II)	2/2			
General Education	400E00	English(I)	2/2		General Education	400F00	English(II)	2/2			
General Education	406087	Community Service & Learning(1)	0/1		General Education	406088	Community Service & Learning(2)	0/1			
General Education	400A00	physical education (1)	1/2		General Education	400B00	physical education (2)	1/2			
General Education	300A00		2/2		General Education	300B00	General Courses (II)	2/2			
Major Required	406497	Physics	3/3		Major Required	406431	Calculus (II)	3/3			
Major Required	406496	Calculus (I)	3/3		Major Required	406007	Programming Language	2/3	Compu ter Cours e		
Major Required	406058	Computational Thinking and Creative Programming	2/3	Compu ter Cours e	Major Required	406424	Material Management	3/3	6		
Major Required	406421	Industrial Engineering and Management	3/3		Major Required	406444	Computer Aided Graphics	1/3	Compu ter Cours e		
Major Required	406441	Manufacturing Processes	2/3		Major Required	406525	Introduction of Measurement	1/3			
Major Required	406051	Labor education (1)	0/1		Major Required	406052	Labor education (2)	0/1			

	20 Credits, 25 Hours					17 Credits, 25 Hours						
	First Semester, Second Year					Second Semester, Second Year						
Course	Course	Course Name	Credits / Hours	Notes	Course	Course	Course Name	Credits / Hours	Notes			
General Education	400G00	English(III)	2/2		General Education	400Н00	English (IV)	2/2				
General Education	400C00	Physical Education (III)	1/2		General Education	400D00	physical education (4)	1/2				
General Education	300C00		2/2		General Education	300D00	General Courses (IV)	2/2				
Major Required	406057	Human Rights and Legal Education	2/2		Major Required	406031	Practical Chinese	2/2				
Major Required	406008	Internet Application	2/3	Compu ter Cours e	Major Required	406489	Contemporary Taiwan and Modern World	2/2				
Major Required	406403	Statistics (I)	3/3		Major Required	406516	Statistics (II)	3/4				
Major Required	406422	Work Study	3/4		Major Required	406519	Database Management System	1/3	Compu ter Cours e			
Major Required	406518	Economics	2/3		Major Elective	406914	Career Consulting	2/2				
Major Elective	406923	Ethics and Professional Ethics	2/2		Major Elective	406922	The Training of Creative Thinking	2/2				
Major Elective	406925	Organizational Behavior	2/2		Major Elective	406981	Intelligent robot application	3/3				
Major Elective	406940	Managing English Introduction	2/2		Major Elective	406998	Occupational safety and hygiene	3/3				
Major Elective	406993	Material Requirement Planning	3/3									
	26	Credits, 30 Hours			23 Credits, 27 Hours							
	First S	Semester, Third Year			Second Semester, Third Year							
Course	Course	Course Name	Credits / Hours	Notes	Course	Course	Course Name	Credits / Hours	Notes			
Major Required	406425	Quality Management	3/4		Major Required	406432	Human Factors Engineering	3/3				
Major Required	406461	System Analysis and Design	2/3	Compu ter Cours e	Major Required	406505	Production and Operations Management	3/4				
Major Required	406501	Engineering Economy	3/3		Major Required	406529	Enterprise Resource Planning	3/3				
Major Required	406512	Operations Research	3/3		Major Elective	406824	Quality Assurance	3/3				
Major Elective	406806	Reliability Engineering	3/3		Major Elective	406842	Computer Aided Manufacturing	3/3				
Major Elective	406898	Management Information Systems	3/3		Major Elective	406895	Industry Analysis	3/3				
Major Elective	406908	Commerce Automation	3/3		Major Elective	406915	Multimedia Applications	3/3	Compu ter Cours e			
Major Elective	406921	Marketing Management	3/3		Major Elective	406919	Logistics Management	3/3				
Major Elective	406926	Distribution Industry Management	3/3		Major Elective	406927	Service Management	2/2				
Major Elective	406929	Information Analysis and Application	2/3	Compu ter Cours e	Major Elective	406936	Finance Management	3/3				
Major Elective	406939	Cost Accounting	2/2		Major Elective	406982	Regression analysis application	3/3				
Major Elective	406994	Summer off-campus internship	3/3		Major Elective	406995	Advanced Manufacturing Technology Practice	3/3				
Major Elective	406996	Industrial Engineering Practice Internship(1)	4/8		Major Elective	406997	Industrial Engineering Practice Internship(2)	4/8				

					Major Elective	406999	Operational Research Application	2/2		
37 Credits, 44 Hours					41 Credits, 46 Hours					
First Semester, Fourth Year					Second Semester, Fourth Year					
Course	Course	Course Name	Credits / Hours	Notes	Course	Course	Course Name	Credits / Hours	Notes	
Major Required	406427	Facilities Planning	3/4		College Major	40TND9	Interdisciplinary program learning	0/1		
Major Required	406491	English Proficiency qualification	0/2		College Major Required	40TNF1	Interdisciplinary Micro Course Program for Engineering Digital Technology	0/1		
Major Required	406531	Practical Project	2/2		Major Required	406504	Professional Certificate Verification	0/2		
Major Elective	406830	Big Data Analysis Technology and Application	3/3		Major Elective	406701	Lean Production Management	3/3		
Major Elective	406896	Industrial Engineering Practice Internship(3)	4/8		Major Elective	406828	Total Quality Management	3/3		
Major Elective	406916	Production Automation	3/3		Major Elective	406829	Project Management	3/3		
Major Elective	406920	E-Commerce	3/3		Major Elective	406831	Smart Manufacturing	3/3		
Major Elective	406928	Investment and Finance	3/3		Major Elective	406843	Computer Integrated Manufacturing	3/3		
Major Elective	406930	Enterprise Resource Planning System	3/3		Major Elective	406889	Management of Case Study	3/3		
Major Elective	406932	Supply Chain Management	3/3		Major Elective	406897	Industrial Engineering Practice Internship(4)	4/8		
Major Elective	406938	Introduction of Operation Risk Management	3/3		Major Elective	406909	Human Resources Management	3/3		
Major Elective	406946	Business Operations Simulation	3/3		Major Elective	406937	Strategy Management	3/3		
Major Elective	406961	Semester Internship (9/18		Major Elective	406941	ERP Application for Manufacturing Module	3/3		
Major Elective	406978	Quality Engineering	3/3		Major Elective	406966	Semester Internship (9/9		
Major Elective	406983	System simulation application	3/3		Major Elective	406979	Introduction to Fuzzy Theory	3/3		
Major Elective	406994	Summer off-campus internship	3/3							
	51 Credits, 67 Hours					43	Credits, 51 Hours			