

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

[illegible]

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	400H00	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	Computer Course	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	Computer Course
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 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	Computer Course	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	Computer Course
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	Computer Course	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 (I)	9/18		Major Elective	406941	ERP Application for Manufacturing Module	3/3	
Major Elective	406978	Quality Engineering	3/3		Major Elective	406966	Semester Internship (II)	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				