

Department of Industrial Engineering and Management

Curriculum Requirements for Enrollees in the Academic Year 115 (Fall 2026)

Program	Four-year technical college program of the Day Division		
Group	None		
Class Type	Regular Class		
Special Program	None		
Curriculum Committee	Department Curriculum	115.04.17	
	College Curriculum	115.05.19	
	University Curriculum	115.06.01	
	Academic Affairs	115.06.01	
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	90.00 Credits	General Education	20.00 Credits
		Major Required	68.00 Credits
		College Major	2.00 Credits
Elective	38.00 Credits	General Education Liberal Arts Elective	8.00 Credits
		Major Elective	30.00 Credits
		College professional selective courses	0.00 Credits
Graduation	Course Title	Description	Regulations/Notes
Cross-disciplinary Credit Courses	Cross-disciplinary Program Learning(0/1)	Students must complete at least one (micro) credit program offered by their respective college before graduation, or a (micro) credit program from another college with the approval of their own college.	1.Regulations for the Establishment of Credit Programs
Cross-disciplinary Credit Program	Digital Technology Micro- Credit Program Learning(0/1)	A Micro-Credit Program in Digital Technology offered by the student' s respective college	2.Guidelines for the Implementation of Interdisciplinary (Micro) Credit Programs
English Certificate	English Proficiency Test(0/2)	Students must pass the General English Proficiency Test (GEPT) Basic Level (or equivalent) during their studies.	1.Principles for the Implementation of English Courses and English Proficiency Graduation Requirements
Practical Project	Practical Project	According to the regulations of each department	1.Regulations for the Implementation of “Practical Projects, Special Projects, Research Projects, and Graduation Design” 2.Regulations of Each Department
Professional	Professional	Students must obtain at least one	Regulations of Each

Off-campus internship	In accordance with the regulations of each department	In accordance with the regulations of each department	In accordance with the University's Regulations for Student Off-Campus Internships and the relevant regulations of each department
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Other Regulations			
Remarks	"Computer Course" means computer access is required (computer and internet usage fee). Graduation Requirements : 「G01」 : Cross-disciplinary Credit Program: Cross-disciplinary Learning 「G02」 : Cross-disciplinary Credit Program: Digital Technology Micro Program 「G03」 : English Proficiency Certificate 「G04」 : Practical Project 「G05」 : Professional Certificate 「G06」 : Off-campus Internship 「G06」 : Off-campus Internship 「G06」 : Off-campus Internship Course Remark : 「T02」 : EMI Courses (English-Medium Instruction) are offered as scheduled during the semester.		

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	496806	Literary Appreciation and Expression	2/2		General Education	496906	Practical Chinese	2/2	
General Education	492001	English(1)	2/2		General Education	492002	English (II)	2/2	
General Education	4912C0	Physical Education(1)	2/2		General Education	4912D0	Physical Education(2)	2/2	
General Education	490306	Community Service & Learning(1)	0.5/1		General Education	490406	Community Service & Learning(2)	0.5/1	
General Education	497A00	General Courses (I)	2/2		General Education	497B00	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	406090	Programming Language	3/3	Computer Course
Major Required	406089	Computational Thinking and Creative Programming	3/3	Computer Course	Major Required	406524	Material Management	3/3	
Major Required	406421	Industrial Engineering and Management	3/3		Major Required	406533	Introduction of Measurement	3/3	
Major Required	406532	Manufacturing Processes	3/3		Major Required	406534	Computer Aided Drawing	3/3	
23.5 Credits, 24 Hours					23.5 Credits, 24 Hours				
First Semester, Second Year					Second Semester, Second Year				

30 Credits, 30 Hours					34 Credits, 34 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	492249	English Proficiency qualification	1/0	G03	College Major	40TNJ9	Interdisciplinary program learning	1/1	G01
Major Required	406531	Practical Project	2/2	G04	College Major Required	40TNK1	Interdisciplinary Micro Course Program for Engineering Digital Technology	1/1	G02
Major Required	406541	Facilities Planning	3/3		Major Required	406530	Professional Certification Preparation	1/0	G05
Major Elective	406830	Big Data Analysis Technology and Application	3/3		Major Elective	406701	Lean Production Management	3/3	
Major Elective	406900	Semester Internship (1)	9/9	G06	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	406832	Responsible consumption and production	3/3	
Major Elective	406930	Enterprise Resource Planning System	3/3		Major Elective	406843	Computer Integrated Manufacturing	3/3	
Major Elective	406932	Supply Chain Management	3/3		Major Elective	406889	Management of Case Study	3/3	
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	406978	Quality Engineering	3/3		Major Elective	406941	ERP Application for Manufacturing Module	3/3	
Major Elective	406983	System simulation application	3/3		Major Elective	406966	Semester Internship (II)	9/9	G06
Major Elective	406994	Summer off-campus internship	3/3	G06	Major Elective	406979	Introduction to Fuzzy Theory	3/3	
48 Credits, 47 Hours					45 Credits, 44 Hours				