

Department of Electrical Engineering

Curriculum Requirements for Enrollees in the Academic Year 112 (Fall 2023)

Program	Four-year technical college program of the Department for Division of Continuing								
Group	None								
Class Type	Industry - Academia Collaboration Program								
Special Program	None								
Curriculum Committee	Department Curriculum		112.04.21						
	College Curriculum		112.05.17						
	University Curriculum		112.05.29						
	Academic Affairs		112.05.29						
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	81 Credits		General Education		8 Credits				
			Major Required		73 Credits				
			College Major		0 Credits				
Elective	47 Credits		General Education		8 Credits				
			Major Elective		39 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	996105	Chinese(1)	2/2		General Education	996205	Chinese(2)	2/2	
General Education	992105	English(1)	2/2		General Education	992205	English(2)	2/2	
General Education	905B01	Organization Ethics & Culture	2/2		Major Required	905380	Mechanical Drawing	2/2	
Major Required	905376	Calculus	2/2		Major Required	905381	Introduction to Computer	3/3	Computer Course
Major Required	905377	Introduction of CNC Machine Design	2/2		Major Required	905382	Industrial Wiring internship	3/3	
Major Required	905378	Engineering Material	2/2		Major Required	905481	Industrial Practical Training (2)	4/4	
Major Required	905480	Industrial Practical Training (1)	4/4						
16 Credits, 16 Hours					16 Credits, 16 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
Major Required	905374	Electronics Lab.	3/3		General Education	905C01	Occupation Safety and Health	2/2	
Major Required	905375	Electronics(1)	2/2		General Education	905D01	Sport and Physical fitness	2/2	
Major Required	905379	Static Mechanics	2/2		Major Required	905373	Electronics(2)	2/2	
Major Required	905401	Electrical Circuits (1)	3/3		Major Required	905402	Electrical Circuits(2)	3/3	
Major Required	905482	Industrial Practical Training (3)	4/4		Major Required	905483	Industrial Practical Training (4)	4/4	
Major Elective	905914	Electrical Instrument	2/2		Major Elective	905915	Logic Design and Practice	3/3	
16 Credits, 16 Hours					16 Credits, 16 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
Major Required	905372	Computer Software Applications and Internship	3/3	Computer Course	General Education Liberal Arts Elective	905A02	Logic and Thinking	2/2	
Major Required	905415	Electrical Machinery	3/3		Major Required	905384	PLC practical application	3/3	
Major Required	905439	Programmable Logic Control and Lab.	3/3		Major Required	905485	Industrial Practical Training (6)	4/4	
Major Required	905484	Industrial Practical Training (5)	4/4		Major Elective	905916	Manufacturing Engineering	2/2	
Major Elective	905707	Computer-aided Graph Design for Electrician	3/3	Computer Course	Major Elective	905917	Electric Machinery Lab.	3/3	
					Major Elective	905918	Creative thinking training	2/2	
16 Credits, 16 Hours					16 Credits, 16 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	905486	Industrial Management Practice(七)	4/4		Major Required	905487	Industrial Practical Training (8)	4/4	
Major Elective	905714	Power System	3/3		Major Elective	905716	Single-Chip Application and Lab.	3/3	
Major Elective	905715	Elementals of Sensor and Transducers	3/3		Major Elective	905718	Supervisory Control System and Practice	3/3	
Major Elective	905717	Programming Language	3/3	Computer Course	Major Elective	905850	Energy Technology	3/3	
Major Elective	905881	Mechatronics Integration Practice	3/3		Major Elective	905929	Distribution Design and Lab.	3/3	
16 Credits, 16 Hours					16 Credits, 16 Hours				