

Department of Electrical Engineering

Curriculum Requirements for Enrollees in the Academic Year 113 (Fall 2024)

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	114.05.14							
	College Curriculum	114.05.16							
	University Curriculum	114.06.09							
	Academic Affairs	114.06.09							
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	74 Credits		General Education		8 Credits				
			Major Required		66 Credits				
			College Major		0 Credits				
Elective	54 Credits		General Education		8 Credits				
			Major Elective		46 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	905368	Introduction to Machinery	2/2		Major Required	905381	Introduction to Computer	3/3	Computer Course
Major Required	905376	Calculus	2/2		Major Required	905481	Industrial Practical Training (2)	4/4	
Major Required	905480	Industrial Practical Training (1)	4/4		Major Elective	905921	Programmable control and internship	3/3	Computer Course
Major Elective	905920	Introduction to electric vehicles	2/2						
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	905369	Industrial Wiring	3/3		General Education	905C01	Occupation Safety and Health	2/2	
Major Required	905375	Electronics(1)	2/2		General Education	905D02	Health and Life	2/2	
Major Required	905401	Electrical Circuits (1)	3/3		Major Required	905373	Electronics(2)	2/2	
Major Required	905482	Industrial Practical Training (3)	4/4		Major Required	905402	Electrical Circuits(2)	3/3	
Major Elective	905914	Electrical Instrument	2/2		Major Required	905483	Industrial Practical Training (4)	4/4	
None	905930	Computer Graphics	2/2	Computer Course	Major Elective	905923	Industrial Wiring internship	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	905370	Power electronics	3/3		General Education	905A02	Logic and Thinking	2/2	
Major Required	905371	Mechatronics	3/3		Major Required	905485	Industrial Practical Training (6)	4/4	
Major Required	905415	Electrical Machinery	3/3		Major Elective	905917	Electric Machinery Lab.	3/3	
Major Required	905484	Industrial Practical Training (5)	4/4		Major Elective	905918	Creative thinking training	2/2	
Major Elective	905707	Computer-aided Graph Design for Electrician	3/3	Computer Course	Major Elective	905924	Mechatronics Integration Practice	3/3	
					Major Elective	905931	Power Electronics Lab	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	905372	Computer Software Applications and Internship	3/3	Computer Course	Major Required	905487	Industrial Practical Training (8)	4/4	
Major Required	905486	Industrial Management Practice(七)	4/4		Major Elective	905710	Supervisory Control System and Practice	3/3	
Major Elective	905717	Programming Language	3/3	Computer Course	Major Elective	905716	Single-Chip Application and Lab.	3/3	
Major Elective	905925	Green energy and energy saving technology	3/3		Major Elective	905928	Solar photovoltaic systems practice	3/3	
Major Elective	905926	Industrial Distribution	3/3		Major Elective	905929	Distribution Design and Lab.	3/3	
16 Credits, 16 Hours					16 Credits, 16 Hours				