

Department of Electrical Engineering

Curriculum Requirements for Enrollees in the Academic Year 114 (Fall 2025)

Program		Two-year technical college program of the Division of Continuing Education							
Group		None							
Class Type		Regular Class							
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 72 credits required (normally 2 years).							
Credit Load per Semester		The minimum number of credits per semester is 9 credits.							
Required and Elective		Credits		Subject Category		Credits			
Required		36 Credits		General Education		4 Credits			
				Major Required		32 Credits			
				College Major		0 Credits			
Elective		36 Credits		General Education		0 Credits			
				Major Elective		36 Credits			
Other Regulations									
Remarks		"Computer Course" means computer access is required (computer and internet usage fee). Course Remark : 「T03」 : Internship / Practicum Courses are offered as scheduled during the semester.							
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
General Education	892105	Practical English	2/2		General Education	896105	Selective Readings of Chinese Literature	2/2	
Major Required	805240	Internet Programming	3/3	Computer Course	Major Required	805224	Single Chip Design Practice	2/2	T03
Major Required	805241	Applied electronics and practice	2/2	T03	Major Required	805225	Power Systems(1)	3/3	
Major Required	805242	Electrical Machinery Lab.	2/2	T03	Major Required	805243	The application of the logic circuit	2/2	
Major Elective	805873	Practical application of programmable logic controllers	3/3	T03	Major Required	805244	Mechatronics Integration and Practice	3/3	T03
Major Elective	805891	Network Analysis	2/2		Major Elective	805701	Introduction to Industry 4.0	2/2	
Major Elective	805895	Microprocessors and Lab.	2/2	T03	Major Elective	805702	Introduction to Image Processing	2/2	Computer Course
Major Elective	805896	Introduction to electric vehicles	2/2		Major Elective	805898	Professional Ethics	2/2	
Major Elective	805897	Introduction to Multimedia	2/2	Computer Course	Major Elective	805899	Introduction to Battery	2/2	

20 Credits, 20 Hours					20 Credits, 20 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	805227	Semiconductor and optoelectronic manufacturing equipment	3/3		Major Required	805230	Introduction to Electro-optics Engineering	3/3	
Major Required	805239	Control System	3/3		Major Required	805246	Power conversion design and Lab.	3/3	T03
Major Required	805245	Power electronics	3/3		Major Elective	805705	Industrial Wiring Practice	3/3	T03
Major Elective	805703	Distribution Circuit Design	3/3		Major Elective	805706	Digital System Design	3/3	
Major Elective	805704	Computer Program	2/2	Computer Course	Major Elective	805864	Thin Film Engineering and Lab	3/3	
Major Elective	805834	Electric Machine Control	3/3		Major Elective	805869	Engineering Economics	2/2	
Major Elective	805856	Vacuum Technique	3/3		Major Elective	805883	System Protections and Coordinations	2/2	
Major Elective	805876	Renewable Electricity	2/2		Major Elective	805884	PC-based Programming Design Practice	2/2	Computer Course T03
Major Elective	805877	Power Systems(二)	3/3		Major Elective	805887	Electrical Supervisory and Control Automation	3/3	
Major Elective	805878	Supervisory Control System and Practice	2/2		Major Elective	805888	Solar Photovoltaic Installation	3/3	
Major Elective	805881	(Solid-State Electronics)	3/3		Major Elective	805889	Numerical Analysis	3/3	
Major Elective	805890	Application to Sensor and Transducers	2/2		Major Elective	805893	Energy Technology	3/3	
32 Credits, 32 Hours					33 Credits, 33 Hours				