

Department of Electrical Engineering

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

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		112.04.21						
	College Curriculum		112.05.17						
	University Curriculum		112.05.29						
	Academic Affairs		112.05.29						
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	41 Credits		General Education		8 Credits				
			Major Required		33 Credits				
			College Major		0 Credits				
Elective	31 Credits		General Education		4 Credits				
			Major Elective		27 Credits				
Other Regulations									
Remarks	"Computer Course" means computer access is required (computer and internet usage fee).								
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	896305	The History of Development of Taiwan	2/2		General Education	896105	Selective Readings of Chinese Literature	2/2	
General Education	892105	Practical English	2/2		General Education	897B00	General Courses (II)	2/2	
General Education	897A00	General Courses (I)	2/2		Major Required	805223	Power electronics	3/3	
Major Required	805204	Engineering Mathematics and Its Application	2/2		Major Required	805224	Single Chip Design Practice	2/2	
Major Required	805221	Electronic Circuits	2/2		Major Required	805225	Power Systems(1)	3/3	
Major Required	805222	Electrical Machinery Lab.	3/3		Major Required	805226	The application of the logic circuit	3/3	
Major Elective	805871	Morality and Professional Ethics	2/2		Major Elective	805859	Distribution Design	3/3	
Major Elective	805605	Mechatronics Engineering	2/2		Major Elective	805874	Linear Algebra	2/2	
Major Elective	805873	Practical application of programmable logic controllers	3/3		Major Elective	805879	Computer Software Application and Lab.	2/2	Computer Course
Major Elective	805891	Network Analysis	2/2		Major Elective	805892	Industrial Wiring Practice	3/3	
22 Credits, 22 Hours					25 Credits, 25 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	896205	Human Rights and the Rule of Law	2/2		Major Required	805229	Creative Engineering Design	3/3	
Major Required	805017	Internet Application	3/3	Computer Course	Major Required	805230	Introduction to Electro-optics Engineering	3/3	
Major Required	805227	Semiconductor and optoelectronic manufacturing equipment	3/3		Major Elective	805864	Thin Film Engineering and Lab	3/3	
Major Required	805239	Control System	3/3		Major Elective	805869	Engineering Economics	2/2	
Major Elective	805834	Electric Machine Control	3/3		Major Elective	805883	System Protections and Coordinations	2/2	
Major Elective	805856	Vacuum Technique	3/3		Major Elective	805884	PC-based Programming Design Practice	2/2	Computer Course
Major Elective	805876	Renewable Electricity	2/2		Major Elective	805885	Distribution of electricity regulations	2/2	
Major Elective	805877	Power Systems(二)	3/3		Major Elective	805886	Career Counseling	2/2	
Major Elective	805878	Supervisory Control System and Practice	2/2		Major Elective	805887	Electrical Supervisory and Control Automation	3/3	
Major Elective	805881	(Solid-State Electronics)	3/3		Major Elective	805888	Solar Photovoltaic Installation	3/3	
Major Elective	805890	Application to Sensor and Transducers	2/2		Major Elective	805889	Numerical Analysis	3/3	
Major Elective	805894	Mechatronics Integration and Practice	3/3		Major Elective	805893	Energy Technology	3/3	
32 Credits, 32 Hours					31 Credits, 31 Hours				