

Department of Electrical Engineering

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

Program	Two-year technical college program of the Division of Continuing Education								
Group	None								
Class Type	On-Duty Military Base Program								
Special Program	None								
Curriculum Committee	Department Curriculum		113.05.17						
	College Curriculum		113.05.23						
	University Curriculum		113.06.03						
	Academic Affairs		113.06.03						
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	32 Credits		General Education		10 Credits				
			Major Required		22 Credits				
			College Major		0 Credits				
Elective	40 Credits		General Education		2 Credits				
			Major Elective		38 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	805806	Occupational safety and health	2/2	
Major Required	805202	Electrical Machinery	2/2		Major Required	805207	Power System(1)	2/2	
Major Required	805233	Electronic Circuits (1)	2/2		Major Required	805208	Application to logical circuit	2/2	
Major Required	805234	Electrical Circuits	2/2		Major Required	805232	Control System	2/2	
Major Elective	805601	Project Management	2/2	Computer Course	Major Required	805236	Electronic circuits(II)	2/2	
Major Elective	805605	Mechatronics Engineering	2/2		Major Elective	805606	Application to Sensor and Transducers	2/2	Computer Course
Major Elective	805637	Industrial Safety	2/2		Major Elective	805607	Distribution Circuit Design	2/2	
Major Elective	805638	Project Management	2/2		Major Elective	805640	Electric Machinery Lab	2/2	
Major Elective	805639	Introduction to Nanotechnology	2/2		Major Elective	805642	Renewable Electricity	2/2	
Major Elective	805655	Mathematics Applications	2/2		Major Elective	805656	Introduction to Industry 4.0	2/2	

22 Credits, 22 Hours					22 Credits, 22 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		General Education	805214	Citizenship and Modern Thoughts	2/2	
Major Required	805237	Power Electronics	2/2		Major Required	805211	Originality Thinking Training	2/2	
Major Required	805238	Electric Machine Control	2/2		Major Required	805212	Introduction to Electro-Optical Engineering	2/2	
Major Elective	805613	Physic of Semiconductor	2/2		Major Elective	805623	Photoelectric Conversion Engineering	2/2	
Major Elective	805616	Life-Career Counseling	2/2		Major Elective	805628	Application to Sensor and Transducers	2/2	
Major Elective	805617	Engineering Technology	2/2		Major Elective	805632	Optoelectronic Materials and Devices	2/2	
Major Elective	805618	Power Systems(II)	2/2		Major Elective	805633	Introduction to Smart Manufacturing	2/2	
Major Elective	805619	Energy Technology	2/2		Major Elective	805634	Electrical Engineering Practice	2/2	
Major Elective	805620	Distribution of electricity regulations	2/2		Major Elective	805635	Electrical Engineering Practice	2/2	
Major Elective	805643	Control System Design	2/2		Major Elective	805648	Introduction to Power Quality	2/2	
Major Elective	805644	Industrial distribution and Practice	2/2		Major Elective	805649	Introduction to Electric Vehicle Charging Systems	2/2	
Major Elective	805645	Introduction to Electromagnetics	2/2		Major Elective	805650	Electric Machine Control	2/2	
Major Elective	805646	Electronic circuits	2/2		Major Elective	805651	Installation of Solar Power Generation Systems	2/2	
Major Elective	805647	Introduction to electric vehicles	2/2		Major Elective	805652	RenewableElectricity	2/2	
					Major Elective	805653	System Protections and Coordinations	2/2	
					Major Elective	805654	Electric Power Monitoring Automation	2/2	
28 Credits, 28 Hours					32 Credits, 32 Hours				