

## Department of Electrical Engineering

### Curriculum Requirements for Enrollees in the Academic Year 111 (Fall 2022)

Program	Four-year technical college program of the Day Division								
Group	None								
Class Type	Overseas Chinese Industry - Academia Program								
Special Program	None								
Curriculum Committee	Department Curriculum								
	College Curriculum								
	University Curriculum								
	Academic Affairs								
Graduation Credits /Study Duration	At least 128 credits required (normally 4 years).								
Credit Load per Semester	Students in Grades 1 and 2 must take no fewer than 16 credits and no more than 28 credits per semester. Students in Grades 3 and 4 must take no fewer than 9 credits and no more than 25 credits per semester.								
Required and Elective	Credits		Subject Category			Credits			
Required	35 Credits		General Education			0 Credits			
			Major Required			35 Credits			
			College Major			0 Credits			
Elective	93 Credits		General Education			4 Credits			
			Major Elective			89 Credits			
Other Regulations									
Remarks	"Computer Course" means computer access is required (computer and internet usage fee).								
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
					General Education Liberal Arts	405BG2	Interpersonal Relation and Communication	2/2	
					General Education	405DG1	Sport and Physical Fitness	2/2	
					Major Required	405F45	Factory Practice(4)	4/4	
					Major Required	405G04	Electronic circuits (2)	3/3	
					Major Required	405G05	Industrial Wiring internship	3/3	
					Major Elective	405BG1	Job Situation Ethic and Culture	2/2	
					Major Elective	405G50	Introduction to Semiconductor Device Characteristi	2/2	
0 Credits, 0 Hours					18 Credits, 18 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	405G07	Programmable Logic Control and Lab.	3/3		Major Required	405F47	IndustryPracticeInter ship(6)	4/4	
Major Required	405F46	Factory Practice(5)	4/4		Major Required	405G08	ElectricMachineryLab.	3/3	
Major Required	405G06	Electrical Machinery	3/3		Major Elective	405G53	PowerSystemsAnalysis	3/3	
Major Elective	405G51	Control System	3/3		Major Elective	405G54	Single- ChipApplicationandLab	3/3	
Major Elective	405G52	Introduction of Semi- Conductor	3/3		Major Elective	405G55	Semiconductor Packaging Technology	3/3	
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	405F48	IndustryPracticeInter ship(7)	4/4		Major Required	405F49	IndustryPracticeInter ship(8)	4/4	
Major Elective	405G56	DistributionDesign	3/3		Major Elective	405G60	ProjectManagement	3/3	
Major Elective	405G57	ComputerGraphicsonEle ctricalEngineering	3/3	Compu ter Cours e	Major Elective	405G61	ElementalsoftSensorand Converter	3/3	
Major Elective	405G58	Mechatronics	3/3		Major Elective	405G62	GreenenergyandEnergyC onservationTechnology	3/3	
Major Elective	405G59	Introduction to Testing	3/3		Major Elective	405G63	IntroductiontoElectro nicMaterials	3/3	
16 Credits, 16 Hours					16 Credits, 16 Hours				