

Department of Electrical Engineering

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

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	112.04.21							
	College Curriculum	112.05.17							
	University Curriculum	112.05.29							
	Academic Affairs	112.05.29							
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	74 Credits	General Education			12 Credits				
		Major Required			62 Credits				
		College Major			0 Credits				
Elective	54 Credits	General Education			6 Credits				
		Major Elective			48 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	496105	Chinese(1)	2/2		General Education	496205	Chinese(2)	2/2	
General Education	492205	English(1)	2/2		General Education	492305	English(2)	2/2	
General Education	405AG2	Logic and Thinking	2/2		General Education	405CG1	Occupation Safety and Health	2/2	
Major Required	405F14	Calculus	3/3		Major Required	405F43	Factory Practice(2)	4/4	
Major Required	405F21	Computer Software Application and Lab.	3/3	Computer Course	Major Required	405G01	Electric Circuits	3/3	
Major Required	405F42	Factory Practice(1)	4/4		Major Elective	405G48	Introduction to Industry 4.0	3/3	
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

General Education	405F19	Chinese Conversation	2/2		General Education	405DG1	Sport and Physical Fitness	2/2	
General Education	405F20	English Conversation	2/2		Major Required	405F45	Factory Practice(4)	4/4	
Major Required	405F44	Factory Practice(3)	4/4		Major Required	405G04	Electronic circuits (2)	3/3	
Major Required	405G02	Programming Language	3/3	Computer Course	Major Required	405G05	Industrial Wiring internship	3/3	
Major Required	405G03	Electronic Circuits(1)	3/3		Major Elective	405BG1	Job Situation Ethic and Culture	2/2	
Major Elective	405G49	Introduction of passive components	2/2		Major Elective	405G50	Introduction to Semiconductor Device Characteristi	2/2	
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	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	Electric Machinery Lab.	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	ComputerGraphicsonElectricalEngineering	3/3	Computer Course	Major Elective	405G61	ElementalsofSensorand Converter	3/3	
Major Elective	405G58	Mechatronics	3/3		Major Elective	405G62	GreenenergyandEnergyC onservaionTechnology	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				