

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	Industry - Academia Collaboration 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	81 Credits		General Education			8 Credits			
			Major Required			73 Credits			
			College Major			0 Credits			
Elective	47 Credits		General Education			6 Credits			
			Major Elective			41 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	
Major Required	405H51	Shop Praticice(1)	4/4		Major Required	405H52	Shop Praticice(2)	4/4	
Major Required	405H59	Calculus	2/2		Major Required	405H63	Mechanical Drafting	2/2	
Major Required	405H60	Introduction of CNC Machine Design	2/2		Major Required	405H64	IntroductiontoComputer	3/3	Computer Course
Major Required	405H61	Engineering Material	2/2		Major Required	405H65	IndustrialWiringinter nship	3/3	
Major Required	405H62	Statics	2/2						
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	405CG2	Occupation Safety and Health	2/2		General Education	405DG1	Sport and Physical Fitness	2/2	
Major Required	405F26	ElectricalCircuits(1)	3/3		Major Required	405F27	ElectricalCircuits(2)	3/3	
Major Required	405H24	Electronics Lab.	3/3		Major Required	405H54	Shop Praticice(4)	4/4	
Major Required	405H53	Shop Praticice(3)	4/4		Major Required	405H67	Electronics(2)	2/2	
Major Required	405H66	Electronics(1)	2/2		Major Elective	405BG1	Job Situation Ethic and Culture	2/2	
Major Elective	405H70	ElectricalInstrumenta tion	2/2		Major Elective	405H71	Logic Design and Internship	3/3	
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		General Education	405AG1	Logicandthinking	2/2	
Major Required	405H28	Electrical Machinery	3/3		Major Required	405H29	PLC practical application	3/3	
Major Required	405H55	Shop Praticice(5)	4/4		Major Required	405H56	Shop Praticice(6)	4/4	
Major Required	405H68	Computer Software Applications and Internship	3/3		Major Elective	405F77	Electrical Machinery Lab.	3/3	
Major Elective	405F74	Computer Graphics on Electrical Engineering	3/3	Compu ter Course	Major Elective	405H45	CreativeTraining	2/2	
					Major Elective	405H72	Manufacturing Engineering	2/2	
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	405H57	Shop Praticice(7)	4/4		Major Required	405H58	Shop Praticice(8)	4/4	
Major Elective	405F01	MechatronicsIntegrati onPraticice	3/3		Major Elective	405H31	Single-ChipApplicationandLab	3/3	
Major Elective	405G61	ElementalsofSensorand Converter	3/3		Major Elective	405H50	SupervisoryControlSys temandPraticice	3/3	
Major Elective	405H73	ProgrammingLanguages	3/3	Compu ter Course	Major Elective	405H75	DistributionDesignand Lab.	3/3	
Major Elective	405H74	PowerSystems	3/3		Major Elective	405Q25	Energy Technology.	3/3	
16 Credits, 16 Hours					16 Credits, 16 Hours				