

Department of Electronic Engineering

Curriculum Requirements for Enrollees in the Academic Year 110 (Fall 2021)

Program	Four-year technical college program of the Day Division								
Group	None								
Class Type	Dual-Track Training Flagship Program								
Special Program	None								
Curriculum Committee	Department Curriculum			110.05.26					
	College Curriculum			110.06.01					
	University Curriculum			110.06.07					
	Academic Affairs			110.06.07					
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	101 Credits		General Education			8 Credits			
			Major Required			93 Credits			
			College Major			0 Credits			
Elective	27 Credits		General Education			6 Credits			
			Major Elective			21 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	403001	Chinese(1)	2/2		General Education	403002	Chinese(2)	2/2	
General Education	403038	English(1)	2/2		General Education	403039	English(2)	2/2	
General Education	403BZ5	Job Situation Ethic	2/2		General Education	403BZ3	Labor Regulations	2/2	
Major Required	403C19	Factory Practices(1)	5/5		Major Required	403B92	Digital Circuit Design	3/3	
Major Required	403C27	Electrical Circuits	2/2		Major Required	403C20	Factory Practices(2)	5/5	
Major Required	403A38	Introduction to Computer	3/3	Computer Course	Major Required	403C28	Electronics (1)	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

Major Required	403AZ3	Technological English	3/3		General Education	403CZ4	Occupation Safety and Health	2/2	
Major Required	403B39	Introduction to Database	3/3		Major Required	403A50	Technique of Semiconductor Processing	3/3	
Major Required	403B90	Electronic Lab.	3/3		Major Required	403B57	Program Design	3/3	Computer Course
Major Required	403B93	Introduction to Artificial Intelligence and Internet of Things	3/3		Major Required	403B94	(Basic Opto-electromechanical Integration and Application	3/3	
Major Required	403C21	Factory Practices(3)	5/5		Major Required	403C22	Factory Practices(4)	5/5	
Major Required	403C29	Electronics(2)	2/2		Major Required	403C30	Introduction to Integrated Circuit	2/2	

19 Credits, 19 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	403A53	Integration of Semiconductor Manufacture	3/3		Major Required	403AZ4	Technology Report in English Writing	3/3	
Major Required	403B43	Automation to Electronic Design	3/3		Major Required	403B42	Programmable control and internship	3/3	
Major Required	403C23	Factory Practices(5)	5/5		Major Required	403C24	Factory Practices(6)	5/5	
Major Required	403C31	Electronic Materials and Devices	2/2		Major Required	403C32	Introduction to Electronic Packaging Technology	2/2	
Major Elective	403P20	Embedded System	3/3		Major Elective	403N16	Semiconductor Factory service training	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	403C25	Factory Practices(7)	5/5		General Education	403DZ1	Sport and Physical Fitness	2/2	
Major Required	403C33	Quality Management	2/2		Major Required	403C26	Factory Practices(8)	5/5	
Major Elective	403P21	Sensor Theory & Applications	2/2		Major Elective	403P01	IC Packaging and Testing Equipment Introduction	2/2	
Major Elective	403P22	The Structure and Application of Microscope	3/3		Major Elective	403P23	Internship of Circuit Design and Layout	3/3	Computer Course
Major Elective	403X08	Wafer Manufacturing Equipment	3/3						

15 Credits, 15 Hours

12 Credits, 12 Hours