

## Department of Electronic 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	111.05.06、114.04.15							
	College Curriculum	111.05.20、114.05.16							
	University Curriculum	111.06.06、114.06.09							
	Academic Affairs	111.06.06、114.06.09							
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	79 Credits		General Education			8 Credits			
			Major Required			71 Credits			
			College Major			0 Credits			
Elective	49 Credits		General Education			6 Credits			
			Major Elective			43 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	403BZ2	Job Situation Ethic and Culture	2/2		General Education	403CZ3	Science Technology and Society	2/2	
Major Required	403A26	Calculus	3/3		Major Required	403A08	Electrical Circuits	3/3	
Major Required	403061	Introduction to Computer	3/3	Computer Course	Major Required	403B83	Factory Practices(2)	4/4	
Major Required	403B82	Shop Practice(1)	4/4		Major Elective	403P67	Electronic Lab.	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

Major Required	403090	Chinese Conversation	2/2		Major Required	403091	English Conversation	2/2	
Major Required	403B77	Python Programming	3/3	Computer Course	Major Required	403A48	Embedded System Overview	3/3	Computer Course
Major Required	403B78	Introduction of passive components	2/2		Major Required	403B85	Factory Practices(4)	4/4	
Major Required	403B84	Factory Practices(3)	4/4		Major Required	403C35	Electronic Circuits(2)	2/2	
Major Required	403C34	Electronic Circuits(1)	2/2		Major Required	403C36	Introduction to semiconductor device properties	2/2	
Major Elective	403P68	Digital Logic Design and Practice	3/3		Major Elective	403P69	Technique of Semiconductor Processing	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	403B07	Technology of Semiconductor Packing	3/3		General Education	403AZ1	Design and Creation	2/2	
Major Required	403B69	The PCB layout LAB	3/3		Major Required	403B87	Factory Practices(6)	4/4	
Major Required	403B80	Smart Phone Programming	3/3	Computer Course	Major Elective	403P52	Electronic Material	3/3	
Major Required	403B86	Factory Practices(5)	4/4		Major Elective	403P70	Sensor principle and application practice	4/4	
Major Required	403C06	Passive Devices Processing	3/3		Major Elective	403X23	Introduction to Equipment Package	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	403B88	Factory Practices(7)	4/4		General Education	403DZ3	Health and Life	2/2	
Major Elective	403P38	process equipment of passive component	3/3		Major Required	403B89	Factory Practices(8)	4/4	
Major Elective	403P39	Technological English	2/2		Major Elective	403N90	Computer-Aided Drawing	3/3	Computer Course
Major Elective	403P71	Programmable control and internship	4/4		Major Elective	403P34	Practice of IoT Integrated Application	3/3	
Major Elective	403X28	Introduction to Testing	3/3		Major Elective	403P72	Artificial Intelligence	4/4	
16 Credits, 16 Hours					16 Credits, 16 Hours				