

## 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	Regular Class								
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	88 Credits		General Education			16 Credits			
			Major Required			72 Credits			
			College Major			0 Credits			
Elective	40 Credits		General Education			8 Credits			
			Major Elective			32 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	400E00	English(I)	2/2		General Education	400F00	English(II)	2/2	
General Education	403088	Community Service & Learning(1)	0/1		General Education	403089	Community Service & Learning(2)	0/1	
General Education	400A00	physical education (1)	1/2		General Education	400B00	physical education (2)	1/2	
General Education	300A00	General Courses (I)	2/2		General Education	300B00	General Courses (II)	2/2	
Major Required	403A03	Physics(1)	3/3		Major Required	403A04	Physics(2)	3/3	
Major Required	403A05	Physics Lab.	1/2		Major Required	403A07	Calculus(2)	3/3	
Major Required	403A06	Calculus(1)	3/3		Major Required	403026	Introduction to Computer	2/3	Computer Course
Major Required	403A20	Introduction to Electronic Engineering	1/1		Major Required	403A08	Electrical Circuits	3/3	
Major Required	403C10	Introduction of Intelligent Control	2/2		Major Required	403B50	Career Counseling	2/2	

Major Required	403C11	Electronic Lab	2/3		Major Required	403C12	Practice of Intelligent Control Application	2/2	
Major Required	403042	Labor education (1)	0/1		Major Required	403043	Labor education (2)	0/1	
Major Required	403040	All-out Defense Education Military Training-International Situations	0/2		Major Required	403041	All-out Defense Education Military Training -Defense Mobilization	0/2	
19 Credits, 26 Hours					22 Credits, 28 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	400G00	English(III)	2/2		General Education	400H00	English (IV)	2/2	
General Education	400C00	Physical Education (III)	1/2		General Education	400D00	physical education (4)	1/2	
General Education	300C00	General Courses(III)	2/2		General Education	300D00	General Courses (IV)	2/2	
Major Required	403017	Practical Chinese	2/2		Major Required	403049	Human Rights and Legal Education	2/2	
Major Required	403048	Contemporary Taiwan and Modern World	2/2		Major Required	403A10	Electronic Circuits(2)	3/3	
Major Required	403A09	Electronic Circuits(1)	3/3		Major Required	403A16	Digital System Design	3/3	
Major Required	403A22	Embedded System Overview	2/3		Major Required	403A71	Semiconductor Component Physics	3/3	
Major Required	403B51	Engineering Mathematics	3/3		Major Required	403C14	Introduction to Computer Network	2/3	Computer Course
Major Required	403B53	Philosophy Ethics	2/2		Major Required	403C15	Program Design	2/3	Computer Course
Major Required	403C13	Integrated Circuit Logic Design and Practice	3/4		Major Elective	403P48	The principle and applications of sensor and actuator	3/3	
					Major Elective	403P49	Fundamentals of optics	3/3	
					Major Elective	403P50	Introduction to Smart Manufacturing	3/3	
					Major Elective	403P51	Embedded System Interface Design	2/3	
22 Credits, 25 Hours					31 Credits, 35 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	403C16	Introduction to Artificial Intelligence	2/3		Major Elective	403P12	Solar Cell Measurement Practices	2/3	
Major Required	403J02	Introduction to Electromagnetics	3/3		Major Elective	403P14	Optoelectronic Devices	3/3	
Major Required	403K06	Wafer Process Technology	3/3		Major Elective	403P42	Introduction to Radio Frequency Communication Module	3/3	



41 Credits, 47 Hours

26 Credits, 35 Hours