

Department of Electrical 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	Regular Class								
Special Program	None								
Curriculum Committee	Department Curriculum								
	College Curriculum								
	University Curriculum		111.06.06						
	Academic Affairs		111.06.06						
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	75 Credits		General Education		15 Credits				
			Major Required		60 Credits				
			College Major		0 Credits				
Elective	53 Credits		General Education		6 Credits				
			Major Elective		47 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	Course	Course Name	Credits /Hours	Notes	Course	Course	Course Name	Credits /Hours	Notes
General Education	405021	Chinese(1)	2/2		General Education	405022	Chiness(2)	2/2	
General Education	400E00	English(I)	2/2		General Education	400F00	English(II)	2/2	
General Education	405081	Community Service & Learning(1)	0/1		General Education	405082	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		2/2		General Education	300B00	General Courses (II)	2/2	
Major Required	405057	Human Rights and Legal Education	2/2		Major Required	405C02	Physics(2)	3/3	
Major Required	405C01	Physics (1)	3/3		Major Required	405C08	Calculus(2)	3/3	
Major Required	405C03	Physics Lab.	1/2		Major Required	405C06	Computer Program	2/3	Computer Course
Major Required	405C07	Calculus (1)	3/3		Major Required	405C04	Chemistry	3/3	
Major Required	405C09	Introduction to Electrical Engineering	0/1		Major Required	405004	Labor education (2)	0/1	
Major Required	405031	Introduction to Computer Science	2/3	Computer Course	Major Elective	405885	Industrial Wiring internship	2/3	

Major Required	405003	Labor education (1)	0/1		Major Elective	405892	Computer Programming and Application	1/2	Computer Course
18 Credits, 24 Hours					21 Credits, 27 Hours				
First Semester, Second Year					Second Semester, Second Year				
Course	Course	Course Name	Credits / Hours	Notes	Course	Course	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		Major Required	405023	Practical Chinese	2/2	
General Education	300C00		2/2		Major Required	405C13	Electric Circuits(2)	3/3	
Major Required	405056	Contemporary Taiwan and Modern World	2/2		Major Required	405C15	Engineering Mathematics (2)	3/3	
Major Required	405C12	Electric Circuits (1)	3/3		Major Required	405C17	Electronics (2)	3/3	
Major Required	405C14	Engineering Mathematics (1)	3/3		Major Required	405D42	Single-Chip Application and Lab.	2/3	
Major Required	405C16	Electronics (1)	3/3		Major Elective	405886	Mechatronics Integration Practice(1)	2/3	
Major Required	405C36	Electronics Lab.	2/3		Major Elective	405893	Internet Applications	2/3	Computer Course
Major Required	405C43	Programmable Logic Control and Lab.	2/3		Major Elective	405N12	Professional Electrical Engineering English	2/2	
Major Elective	405Q10	Logic Design and Lab.	3/3		Major Elective	405Q15	Signals and Systems	3/3	
Major Elective	405Q47	Computer Software Application and Lab.	2/3	Computer Course	Major Elective	405R86	Photovoltaic System Construction Practice	2/3	
Major Elective	405T16	Green energy and energy conservation engineering	3/3						
28 Credits, 32 Hours					26 Credits, 30 Hours				
First Semester, Third Year					Second Semester, Third Year				
Course	Course	Course Name	Credits / Hours	Notes	Course	Course	Course Name	Credits / Hours	Notes
Major Required	405C19	Control System	3/3		Major Required	405C20	Control System Lab	1/3	
Major Required	405C21	Project in Practice (1)	1/2		Major Required	405C22	Project in Practice (2)	1/2	
Major Required	405C28	Electrical Machinery(1)	3/3		Major Required	405C29	Electrical Machinery Lab.	1/3	
Major Elective	405883	Introduction to Electric Vehicles	3/3		Major Elective	405884	Mechatronics and Practical of electric vehicles	3/3	
Major Elective	405887	Mechatronics Integration Practice(2)	2/3		Major Elective	405895	Digital System Design	2/3	
Major Elective	405894	Linear Algebra	3/3		Major Elective	405N10	PC-based programming practice	2/3	
Major Elective	405N09	Supervisory Control System and Practice	3/3		Major Elective	405Q18	Power Systems(1)	3/3	
Major Elective	405N11	Microprocessor and Lab	2/3	Computer Course	Major Elective	405Q20	Control System Design	3/3	
Major Elective	405Q14	Computer-Aided Circuit Design and Practice	2/3	Computer Course	Major Elective	405Q40	Computer Graphics on Electrical Engineering	3/3	Computer Course
Major Elective	405Q16	Distribution Design	3/3		Major Elective	405Q42	Electrical Machinery(2)	3/3	

[illegible]

48 Credits, 51 Hours	41 Credits, 49 Hours
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