

Department of Electrical Engineering

Curriculum Requirements for Enrollees in the Academic Year 114 (Fall 2025)

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	114.05.14	
	College Curriculum	114.05.16	
	University Curriculum	114.06.09	
	Academic Affairs	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	74 Credits	General Education	12 Credits
		Major Required	62 Credits
		College Major	0 Credits
Elective	54 Credits	General Education	8 Credits
		Major Elective	46 Credits
Graduation	Course Title	Description	Regulations/Notes
Off-campus internship	In accordance with the regulations of each department	In accordance with the regulations of each department	In accordance with the University's Regulations for Student Off-Campus Internships and the relevant regulations of each department
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Other Regulations			

Remarks

"Computer Course" means computer access is required (computer and internet usage fee).
 Graduation Requirements :
 「G06」 : Off-campus Internship
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 Course Remark :
 「T03」 : Internship / Practicum Courses are offered as scheduled during the semester.

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	
General Education	405AG2	Logic and Thinking	2/2		General Education	405CG1	Occupation Safety and Health	2/2	
Major Required	405F14	Calculus	3/3		Major Required	405F43	Factory Practice(2)	4/4	G06
Major Required	405F16	Introduction to Computer	3/3	Computer Course	Major Required	405G01	Electric Circuits	3/3	
Major Required	405F42	Factory Practice(1)	4/4	G06	Major Elective	405G48	Introduction to Industry 4.0	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
General Education	405F19	Chinese Conversation	2/2		General Education	405DG2	Workplace Ethics and Culture	2/2	
General Education	405F20	English Conversation	2/2		General Education	405DG3	Health and Life	2/2	
Major Required	405F44	Factory Practice(3)	4/4	G06	Major Required	405F45	Factory Practice(4)	4/4	G06

Major Required	405G02	Programming Language	3/3	Computer Course	Major Required	405G04	Electronic circuits (2)	3/3	
Major Required	405G03	Electronic Circuits(1)	3/3		Major Required	405G05	Industrial Wiring internship	3/3	T03
Major Elective	405G49	Introduction of passive components	2/2		Major Elective	405G50	Introduction to Semiconductor Device Characteristi	2/2	
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	T03	Major Required	405F47	IndustryPracticeInter ship(6)	4/4	G06
Major Required	405F46	Factory Practice(5)	4/4	G06	Major Required	405G08	ElectricMachineryLab.	3/3	T03
Major Required	405G06	Electric Machinery Lab.	3/3		Major Elective	405G53	PowerSystemsAnalysis	3/3	
Major Elective	405G51	Control System	3/3		Major Elective	405G54	Single- ChipApplicationandLab .	3/3	T03
Major Elective	405G52	Introduction of Semi- Conductor	3/3		Major Elective	405G55	Semiconductor Packaging Technology	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	405F48	IndustryPracticeInter ship(7)	4/4	G06	Major Required	405F49	IndustryPracticeInter ship(8)	4/4	G06
Major Elective	405G56	DistributionDesign	3/3		Major Elective	405G60	ProjectManagement	3/3	
Major Elective	405G57	ComputerGraphicsonEle ctricalEngineering	3/3	Computer Course	Major Elective	405G61	ElementalsofSensorand Converter	3/3	
Major Elective	405G58	Mechatronics	3/3		Major Elective	405G62	GreenenergyandEnergyC onservationTechnology	3/3	
Major Elective	405G59	Introduction to Testing	3/3		Major Elective	405G63	IntroductiontoElectro nicMaterials	3/3	
16 Credits, 16 Hours					16 Credits, 16 Hours				