

Department of Electrical Engineering

Curriculum Requirements for Enrollees in the Academic Year 115 (Fall 2026)

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	115.05.13	
	College Curriculum	115.05.19	
	University Curriculum	115.06.01	
	Academic Affairs	115.06.01	
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	74.00 Credits	General Education	12.00 Credits
		Major Required	62.00 Credits
		College Major	0.00 Credits
Elective	54.00 Credits	General Education Liberal Arts Elective	8.00 Credits
		Major Elective	46.00 Credits
		College professional selective courses	0.00 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	
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Remarks	"Computer Course" means computer access is required (computer and internet usage fee). Graduation Requirements : 「G06」 : Off-campus Internship 「G06」 : Off-campus Internship 「G06」 : Off-campus Internship 「G06」 : Off-campus Internship 「G06」 : Off-campus Internship 「G06」 : Off-campus Internship 「G06」 : Off-campus Internship 「G06」 : Off-campus Internship Course Remark : 「T03」 : Internship / Practicum Courses are offered as scheduled during the semester.		
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First Semester, First Year					Second Semester, First Year				
Course Category	Course Number	Course Name	Credit s/ Hou rs	Notes	Course Category	Course Number	Course Name	Credit s/ Hou rs	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	Credit s/ Hou rs	Notes	Course Category	Course Number	Course Name	Credit s/ Hou rs	Notes
General Education	405F20	English Conversation	2/2		General Education	405DG3	Health and Life	2/2	

General Education	405F19	Chinese Conversation	2/2		Major Required	405F45	Factory Practice(4)	4/4	G06
Major Required	405F44	Factory Practice(3)	4/4	G06	Major Required	405G04	Electronic circuits (2)	3/3	
Major Required	405G02	Programming Language	3/3	Computer Course	Major Required	405G05	Industrial Wiring internship	3/3	T03
Major Required	405G03	Electronic Circuits(1)	3/3		Major Elective	405BG1	Job Situation Ethic and Culture	2/2	
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	Electrical Machinery	3/3		Major Elective	405G53	PowerSystemsAnalysis	3/3	
Major Elective	405G52	Introduction of Semi-Conductor	3/3		Major Elective	405G54	Single-ChipApplicationandLab .	3/3	T03
Major Elective	405G64	Python Programming	3/3	Computer Course	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	405G57	ComputerGraphicsonEle ctricalEngineering	3/3	Computer Course	Major Elective	405G60	ProjectManagement	3/3	
Major Elective	405G58	Mechatronics	3/3		Major Elective	405G61	ElementalsofSensorand Converter	3/3	
Major Elective	405G59	Introduction to Testing	3/3		Major Elective	405G62	GreenenergyandEnergyC onservaionTechnology	3/3	
Major Elective	405G65	Power Electronics Practice	3/3		Major Elective	405G63	IntroductiontoElectro nicMaterials	3/3	
16 Credits, 16 Hours					16 Credits, 16 Hours				