## Required Courses of Department of Electrical Engineering Applicable to Students Enrolled in School Year 2023

Subject Category			1st Year		2nd Year		3rd Year		4th Year	
		Course Name					ester			
	<i>o ,</i>		1	2	3	4	5	6	7	8
General Education	Language Literacy	Critical thinking and expression in Chinese *Choose (I) or (II) in 1st Year and above.	3							
		General English *Choose in 1st Year and above.	3							
		English Proficiency Standard	0							
	Inter-college Electives	Inter-college Electives *Choose in 1st Year and above. *Three credits must take EAP/ESP course.	8							
Course	Liberal Arts	Liberal Arts Courses			13					
Course	Courses	*Choose in 2nd Year and above.			15					
	Practical Experience courses	Primer on College Life: A Lecture Series *Take six sessions of lectures approved by Si Wan College before 3rd year.	0							
	courses	Service Learning *Available only for 2nd Year and above.			1					
	Sport & Health courses	Sport & Health courses	1	1	1	1				
		Calculus (I)	3							
		Calculus (II)		3						
		General Physics (I)	3							
		General Physics (II)		3						
		Introduction to Computers	3							
		Design of Digital Systems	3							
		Computer Programming	3							
		Linear Algebra		3						
		Differential Equations		3						
		Circuit Theory (I)		3						

1				1st Year		2nd Year		3rd Year		4th Year	
		Course Name					ester				
	Required		1	2	3	4	5	6	7	8	
Department of Eletrical Engineering Course	Courses	Signals and Systems			3						
		Electronics (I)			3						
		Electrical Engineering Lab. (I)			1						
		Circuit Theory (II)			3						
		Electromagnetic Theory (I)			3						
		Electronics (II)				3					
		Electrical Engineering Lab. (II)				1					
		Electrical Machines				3					
		Electromagnetic Theory (II)				3					
		Electrical Engineering Lab. (III)					1				
		Control Systems					3				
		Communication Systems					3				
		[A]: One of the following subjects must be taken									
		Complex Variables					3				
		Probability Theory				3					
		Discrete Mathematics						3			
		[B]: One of the following subjects must be taken									
		Independent Studies in Electronic Practice						2			
	Required	Independent Studies in Control Practice						2			
	Elective	Independent Studies in Computer Practice						2			
	Courses	Independent Studies in Electric Power Practice						2			
		Independent Studies in Wave and Optics Practice						2			
		Independent Studies In Communication Practice						2			

			1st	Year	2nd	2nd Year		3rd Year		4th Year	
		Course Name				Sem	ester				
			1	2	3	4	5	6	7	8	
		Independent Studies in System- on-Chip Design						2			
		Independent Studies in Biomedical Signal Processing & Instrumentation						2			
Minium graduation credits	132	1. General Education Course: 28 cm but are not included in the minimula. Department of Eletrical Enginee. 3. Department of Eletrical Enginee. EE elective lab course, at least 2 cm. 4. Other elective course: at least 13 interested in. 5. Core Elective Courses [B]: (1) Students of 2 to 3 form a group have regular meeting with their su. (2) Depending on the topics of the or software oriented tasks to complete the course. 6. Should meet at least one of the graduation requirements. (1) International Study: At least on completion of at least 2 credits of the program at least 36 hours of study. (2) Interdisciplinary Study: A minor or another university, or a microprince.	am gradering - Evering - E	duation Require Elective its. Stud or. ects, the n one s ring "Int ester o reign st oved by ole maj	dents of ternation of the students of ternation of the students of the student	ts.) rses: 65 rses: at lead to the contents manage (or contents ma	ore diest 20  ore ar  or. The  ay hav  roject r  r Interc  or train  (or for ent. on pro	ts 6 credit ny cours studer e eithe report i disciplir ing abr reign st	ses the nts usu r hard s requi nary St oad) o cudy	uding ey are lally ware ired to udies" r	

professional programs.