

「114 學年度日間部 電子工程系

日間部電子工程半導體產業僑生菁英專班課程規劃表」

修正備註條文對照表

修正後條文	現行條文	說明
注意事項： 1.最低畢業學分：128 學分，含必修：_101_，選修_27_學分(本系至少_27_學分，其餘可跨系)。 2.一、二、三年級每學期修課16~30 學分，四年級每學期修課9~30 學分。 3.表列專業選修課程，得依實際情況逕行調整。 4.本表建立於 114 年_2_月_20_日。 5.畢業年級相當於國內高級中等學校二年級之國外或香港、澳門同類同級學校畢業生，以同等學歷修讀本校學士學位者，最低畢業學分：140 學分；必修學分：101 學分；選修學分：39 學分(選修學分含跨系選修學分)，惟於本系專業選修學分不得低於 27 學分，可延長修業年限三年。	注意事項： 1.最低畢業學分：128 學分，含必修：_101_，選修_27_學分(本系至少_27_學分，其餘可跨系)。 2.一、二、三年級每學期修課16~30 學分，四年級每學期修課9~30 學分。 3.表列專業選修課程，得依實際情況逕行調整。 4.本表建立於 114 年_2_月_20_日。	1.增列第五項。

明新科技大學電子系
課程教學小組

電子工程系
主任 張承勛

半導體學院
院長 張 合



MUST Curriculum Planning for Undergraduate Students of Academic Year 2025-2028,
Department of Electronics Engineering

1 st year(114)					2 nd year(115)					3 rd year(116)								
	Course	1 st semester		2 nd semester			Course	1 st semester		2 nd semester			Course	1 st semester		2 nd semester		
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.	
MUST Core Required Courses	Physical Education			2	2	MUST Core Required Courses	Physical Education	2	2	0	0	MUST Core Required Courses	Taiwanese society			2	2	
	Technical English(I)			2	2		Technical English(II)	2	2				Technical English(III)			2	2	
	Subtotal	0	0	4	4		Subtotal	4	4	0	0		Subtotal	0	0	4	4	
School Professional Required Courses						School Professional Required Courses						School Professional Required Courses						
	Subtotal	0	0	0	0		Subtotal	0	0	0	0		Subtotal	0	0	0	0	
Compulsory Courses	Industrial Practice (I)	9	9			Compulsory Courses	Industrial Practice (II)			9	9	Compulsory Courses	Industrial Practice (III)	9	9			
	Physics and Physics experiments(I)			3	3		Physics and Physics experiments(II)	3	3				Semiconductor Devices			3	3	
	electronic circuit Lab(I)			2	2		electronic circuit Lab(II)	2	2									
	Electronics (I)			3	3		Electronics (II)	3	3									
	Calculus			3	3		Computer Programming	3	3									
	Basic Electricity			3	3		Digital System Design	3	3									
	Basic Circuitry			3	3		Microprocessor	3	3									
	digital logic			3	3													
	Subtotal	9	9	20	20			Subtotal	17	17	9		9		Subtotal	9	9	3
Elective Courses					Elective Courses	Introduction to IC Package	3	3			Elective Courses	Cloud IC Testing Simulation Practice	3	3				
						Basic Wheel Robot Practice	3	3				Ethics for Engineers	2	2				
						Analog Electronic Lab	3	3				Circuit Simulation Practice	3	3				
						PLD Lab			3	3		Integrated Circuits Engineering	3	3				
						Introduction to IC Design			3	3		Single-Chip Microcontroller System Lab	3	3				
						Single-chip Micro-computer Practice			3	3		Labview Programming Design	3	3				
						Robot Assembly Control Practice			3	3		Electromagnetics	3	3				
						IC Package Practice			3	3		Certification of Digital Electronics	3	3				
						Engineering Mathematics (II)			3	3		JAVA Programming	3	3				
												Microcomputer interface Practice	3	3				
												Digital IC Layout Practice			3	3		
												Mobile Communication Practice			3	3		
												Machine Learning Practice			3	3		
												Semiconductor Process Technology			3	3		
												RF circuit design			3	3		
												FPGA Design Practice			3	3		
												Robot Application Practice			3	3		
												Automatic Sewnse Design Practice			3	3		
												Python Practice			3	3		
												Communication Systems			3	3		
												Communication Systems Practice			3	3		
												Integrated Circuit Testing Practice			3	3		

4 th year(117)					
	Course	1 st semester		2 nd semester	
		Cr.	hr.	Cr.	hr.
MUST Core Required Courses	Taiwanese Art	2	2		
	Technical English(IV)	2	2		
	Subtotal	4	4	0	0
School Professional Required Courses					
	Subtotal	0	0	0	0
Compulsory Courses	Industrial Practice (IV)			9	9
	Subtotal				
Elective Courses	IC Testing Practice	3	3		
	IoT Application Practice	3	3		
	Digital Communication Practice	3	3		
	Accelerated Life Testing on Integrated Circuit	3	3		

Cr. /hr. =Credit/hour

Remarks:

1. Minimum graduation credits: 128 credits; Compulsory credits: 92 credits. Elective credits: 36 credits (elective credits include aboriginal culture electives credits and inter-departmental elective credits); the credits of the majors in this department shall not be less than 30 credits.
2. In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4th year.
3. Elective courses are subject to change if necessary.
4. This form created in 114.2.20.

明新科技大學電子系
課程教學小組

電子工程系 張承勛
主任



半導體學院 張合
院長