					D	epartment	of Semiconductor and El-	ectro-	Optic	al Te	chnol	ogy					
Year 112					Year		113					114					
	Course	SEP 2023		FE	B 2024		Course	SEP 2024		FEB 2025			Course		2025	FEB 202	
		Cr.	hr.	Cr.	hr.			(°T.	hr.	('r.	hr.			Cr.	hr.	Cr.	h
	Physical Education	1	2	1	2								Taiwanese Society	2	2		1
	Chinese Pinyin Pronunciation Practice	1	2			100							Taiwanese Art			2	
	Chinese Listening Practice	1	2	-	-												1
	Chinese Conversation Practice	1	2		-	0.3 TE											
AUST Core	Chinese Reading and Comprehension	1	2		_	MUST Core											
Required	Chinese Writing Practice	1	2		-	Required		-				MUST Core Required					
Courses	chinese tutoring	0	5	195		Courses		-				Courses					1
	Chinese Literature	_	_	2	2												1
	Chinese Culture	-	-	2	2		<u></u>									11 255	_
	Taiwanese Culture			3	3												
	Taiwan Life and Law																
	Subtotal	6	17	-11	12	35.785.9	Subtotal	0	0	- 0	0		Subtotal	2	2	2	+
School rofessional	Technical English(I)(II)	2	2	2	2	School Professional		-				School Professional	Technical English(III)(IV)	2	2	2	1
Required						Required		-				Required	Ethics for Engineers			2	1
Courses	Subtotal	2	2	2	2	Courses	Subtotal	0	0	- 0	0	Courses	Subtotal	2	2	4	1
	Physics	3	3	_	-		Lab of Property Practice(I)(II)	9	32	9	32		Introduction to Modern Science	3	3		+
	Applied Mathematics	2	2		-			-	_				Semiconductor Material and Device	3	3		1
	Basic Circuit Theory	2	2		-								Electronics Lab(II)	3	3		1
Compulsory	Introduction to Optoelectric Industry	2	2		-	Compulsory						Compulsory	Laser Engineering			3	1
Courses	Computer Data Processing			2	3	Courses		-				Courses	Optoelectric Lab			3	1
	Electronics Circuits			3	3								Semiconductor Manufacturing Technology			3	1
	Electronics Lab(I)			3	3												1
	Geometrical Optics			3	3												L
	Subtotal	9	9	11	12		Subtotal	9	32	9	32	TOPPOLITY III.	Subtotal	9	9	9	
	Vacuum Technology			2	2		Material Science and Engineering	2	2				Certification of Solid Design CAD and License Counseling	3	3		
	Introduction to Bio-Medical Engineering			2	2		Introduction to Computers and Programming	2	2				Optical Thin Film and Coating Technology	3	3		Γ
	Engineering Applied Mathematics			2	2		Solid State Lighting	2	2				Technology Management	3	3		T
	Introduction and Application of Artificial Intelligence			3	3		Solar Photovoltaic Technology	2	2				Photonics applications	3	3		t
	Introduction to Semiconductor Materials Industry			3	3		Micro-computer Application	3	3				Thin Film Technology	3	3		T
	Material Science and Engineering			2	2		Mobile Computing Practice	3	3				Semiconductor Inspection technology	3	3		Г
							App Programming	3	3				Semiconductor Manufacturing Equipement	3	3		t
							Practical Vacuum Technology	3	3				Certification of Solid Design CAD	3	3		t
					-									2000			╀
				_	-		Surface Engineering and AI Assistance	3	3				Nanomaterials	3	3		╀
			-		-		Introduction of Flat Panel Displays	3	3	_			Computer-Auded Optical System Design	3	3		$\vdash$
			-		-		CAD of Solid Design Introduction to			2	2		Semiconductor Packaging Process and Equipment	3	3		+
		-		-	-		Artificial Intelligence	-		2	2		Data Science			3	H
Elective					-	Elective	Engineering Statistics	-		2	2	Elective	Chromatics			3	H
Courses					-	Courses	Chromatics This Either Technology			2	2	Courses	Optoelectronic Device and Application			3	$\vdash$
				_	-		Thin Film Technology			2	2		Solar Photovoltaic Technology			3	$\vdash$
							Measurement of LEDs			2	2		Digital Logic Design			3	H
ni ni				7,52							$\neg$		Python Application Memory Device Technology		-	3	+
										l.			Semiconductor Lab			3	T
			-		-								Semiconductor Manufacturing Equipement			3	+
											$\perp$		CAD of Solid Certification			3	
	- H												Semiconductor Materials and Applications			3	L
					-								Photonic Biomedical Engineering			3	+
													Computer-Assisted lighting system design			3	L
			-	-									Optical Factory			3	H
													Silicon Nano-device Detection and Analysis			3	L
											_		Certification of Solid Design CAD			3	L
													Machine Learning			3	1

Year			115						
	Course	SEP 2026			FEB 2027				
	Course	Cr.	hr.	Cr.	hr				
MUST Core									
Required Courses	Subtotal	0	-0	-0	- 0				
	Guptoral	0		0	U				
School Professional Required									
Courses	Subtotal	0	0	0	0				
Compulsory Courses									
	Subtotal	0	0	0	0				
	Lab of Property Practice(III)(IV)	9	32	9	32				
	Project of Optoelectronics	3	3	3	3				
	Solar Photovoltaic Technology	3	3						
	Optoelectronic Detection Engineering	3	3						
	Chromatics	3	3						
	Artificial Intelligence-Deep Learning	3	3						
Elective	Labview Programming Design	3	3						
Courses	Python Program Application	3	3						
	Machine Learning with Python	3	3						
	Generative AI and Applications	3	3						
	spectral analysis	3	3						
	Creative Design in Optoelectronics			3	3				
	Nano Bio-Photonics			3	3				
	Technology of Organic Light-Emitting Diode Display		3.000	3	3				

Cr./hr.=Credit/hour

Remarks:

1.Minimum credits required for graduation: 128 credits including 87 compulsory credits, and at least 41 elective credits (including the interdepartmental elective credits).

2.Inter-departmental elective credits are transferable. Professional elective course credits shall not be fewer than 29.

3. Students should take off-campus internship courses, Lab of Property Practice(I)(II)(III)(IV),

and the relevant measures are handled in accordance with the Implementation of Off-campus Internship

4. Off-campus practice courses: Lab of Property Practice(I)(II)(III)(IV), 1 credit requires no more than 80 hours. The actual internship hours for Lab of Property Practice(I)(II) are 36 to 40 hours per week,

and the actual internship hours for Lab of Property Practice (III) and (IV) are 32 to 40 hours per week.

5. The elective courses listed in the tables are subciet to adaptation when necessary.







