MUST Curriculum Planning for Undergraduate Students for Academic Years 2021-2024 Department of Semiconductor and Electro-Optical Technology

	1 ⁸¹ year(111) Course 181 semi-ster 2 std semi-ster				2 nd year(112) Course lst semister 2 nd semister					1	Ist semister 2 sem					
	Course	Cr.		-	hr.		Course			-	-	-	Course	_	-	1
- Table 15	Physical Education	2	nr.	2	nr.	27,27,000	-	CI	. hr.	. Cr.	hr.				hr.	Cı
	Chinese Pinyin & Pronunciation	1	2	-2	-			+	+	-	H		Taiwan Life and Law Taiwanese Society	2	2	-
	Practice Chinese Listening	1	2	-	\vdash			+	\vdash	+-	-			Ļ-	-	-
		-	1 2		-	+	+	-	Trible of	Taiwanese Culture	-	-	2			
ST Core	Chinese Daily Speaking	-	-	-	-	MUST Core		-	-	-	-	MUST	Taiwanese Art	_	_	2
equired	Chinese Reading	1	2			Required		_				Core Required				
ourses	Chinese Writing	1	2			Courses						Courses				
	Chinese Tutoring	0	5													T
	Chinese Literature			3	3											T
	Chinese Culture			3	3			T								\vdash
	Subtotal	7	17	8	8		Subtotal						Subtotal			-
chool	Technical English(I)(II)	2	2	2	2	School		1				School	Technical English(III)(IV)	2	2	2
fessional						Professional						Professiona	Ethics for Engineers			2
equired						Required						Required				
ourses	Subtotal	2	2	2	2	Courses	Subtotal			1 1 2		Courses	Subtotal	- S		
15.190	Physics	3	3			To Zefah	Lab of Property Practice(I)(II)	9	9	9	9		Introduction to Modern Science	3	3	
	Applied Mathematics	2	2										Optoelectronic Material and Device	3	3	
	Basic Circuit Theory	2	2										Electronics Lab(II)	3	3	
	Introduction to Optoelectric Industry	2	2			Department						Department	Optoelectric Lab			3
	Computer Data Processing		_	2	2	compulsory courses		_	_			compulsory	Laser Engineering			3
	Electronics Circuits			3	3	courses			-			courses				L
	Electronics Lab(1)	_	_	3	3			_	_	-						L
	Geometrical Optics Subtotal	9	7	3	3			-	<u>_</u>							_
	Computer Aided Design Model and	-9	-/	1	-		Subtotal	9	-	-			Subtotal	9	9	
	Engineering Drawings		_	2	2		Optoelectronics Technology(I)(II)	2	2	2	2		Solid State Lighting Certification of Solid Design CAD	3	3	
	Vacuum Technology			2	2		Material Science and Engineering	2	2				and Product Design	3	3	L
	Material Science and Engineering			2	2		Introduction to Programming	2	2				Optical Thin Film and Coating Technology	3	3	
	Introduction to Bio-Medical Engineering			2	2		Solid State Lighting	2	2				Technology Management	3	3	
	Engineering Applied Mathematics			2	2		Vision optics	2	2				Photonics applications	3	3	
	Introduction and Application of			3	3		Micro-computer Application	3	3				Thin Film Technology	S		
	Artificial Intelligence		\dashv				Mobile Computing Practice	3	3				Data Science		-3	
		-	-	\dashv	-		The state of the s	3	3		-		A NAME OF A CONTROL OF STREET			_
				\neg			App Programming Practical Vacuum Technology	3	3				Nanomaterials Semiconductor Manufacturing			
		-	-	-	-	4 1 3 3	Surface Engineering and Al		- 100	Н	-		Equipment Computer-Aided Optical System	2		
partment						Department	Assistance	3	3			Department	Design			3
lective lourses			-	_	-	Elective Courses	Introduction of Flat Panel Displays	3	3			Elective Courses	Chromatics			3
						Courses	Introduction to Artificial Intelligence			2	2	Courses	Optoelectronic Device and Application	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3	
							Engineering Statistics			2	2		Optoelectronic Semiconductor Manufacturing Technology			3
-		\perp	\dashv	1			Chromatics			2	2		Digital Logic Design		3	
-		\dashv	-	-	_		Measurement of LEDs			2	2		Python Application			3
			7	1	\dashv		Light - Emitting - Diode Technology			2	2		Memory Device Technolegy Computer-Assisted lighting system	-		3
-		+	-	+	\dashv					\vdash	\dashv		design Optical Factory	\dashv	\dashv	3
		1		1									Silicon Nano-device Detection and Analysis			3
											\neg		Certification of Solid Design CAD	\neg		3
ŀ													Certification of solid Design CAD			
		╛											Machine Learning			3
																3

	4th year(114)					
	Course	lst sc	mester	2 nd semester		
		Cr.	hr.	Cr.	hr.	
MUST Core						
Required						
Courses	Subtotal	0	0	0	0	
School Professional						
Required Courses	Subtotal	0	0	0	0	
Department						
courses	Subtotal	0	0	0	0	
	Lab of Property Practice(III)(IV)	9	32	9	32	
	Project of Optoelectronics	3	3			
	Solar Photovoltaic Technology	3	3			
	Optoelectronic Detection	3	3			
	Chromatics	3	3			
	Artificial Intelligence-Deep	3	3			
Department	Labview Programming Design	3	3			
Elective	Python Program Application	3	3			
Courses	Machine Learning with Python	3	3			
	Generative AI and Applications	3	3	Culton.		
	spectral analysis	3	3			
	Project of Optoelectronics		1	3	3	
	Creative Design in Optoelectronics			3	3	
	Nano Bio-Photonics			3	3	
	Technology of Organic Light- Emitting Diode Display			3	3	

Cr./hr.=Credit/hour

- 1. Minimum credits required for graduation: 128 credits including 86 compulsory credits,
- and at least 42 elective credits (including the interdepartmental elective credits).

 2. Undergraduate students shall take 5-hour chinese tutoring courses (0 credits) in the second semester of the second academic yer

 3. Inter-departmental elective credits are transferable. Professional elective course credits shall not be fewer than 36.
- 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 subejet to adaptation when necessary.







