MUST Curriculum Planning for Undergraduate Students of Academic Year 2023-2027,
Department of Semiconductor and Electro-Optical Technology

Year		112				Year		113				Year		114			
	Course	SEP 2023		FEB 2024			Course	SEP 2024		FEB 2025			Course	SEP 2025		FEB 2026	
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.
MUST Core Required Courses	Physical Education	1	2	1	2	MUST Core Required Courses						MUST Core Required Courses	Classified general Education-Taiwanese Culture and Laws	2	2		
	Chinese Pinyin Pronunciation Practice	1	2										Classified general Education-Taiwanese Art	2	2		
	Chinese Listening Practice	1	2										Classified general Education-Taiwan Life and Law			2	2
	Chinese Conversation Practice	1	2										Classified general Education-Taiwanese Society			2	2
	Chinese Reading and Comprehension	1	2														
	chinese tutoring	1	2														
	Chinese Writing Practice	0	5														
	Chinese Literature			3	3												
	Chinese Culture			3	3												
	Subtotal	**6**	**17**	**7**	**8**		**Subtotal**	**0**	**0**	**0**	**0**		**Subtotal**	**4**	**4**	**4**	**4**
School Professional Required Courses	Technical English(I)(II)	2	2	2	2	School Professional Required Courses						School Professional Required Courses	Technical English(III)(IV)	2	2	2	2
													Ethics for Engineers			2	2
	Subtotal	**2**	**2**	**2**	**2**		**Subtotal**	**0**	**0**	**0**	**0**		**Subtotal**	**2**	**2**	**4**	**4**
Compulsory Courses	Physics	3	3			Compulsory Courses	Lab of Property Practice(I)	9	9			Compulsory Courses	Introduction to Modern Science	3	3		
	Applied Mathematics	2	2				Lab of Property Practice(II)			9	9		Semiconductor Material and Device	3	3		
	Basic Circuit Theory	2	2										Electronics Lab(II)	3	3		
	Introduction to Optoelectric Industry	2	2										Laser Engineering			3	3
	Computer Data Processing			2	3								Optoelectric Lab			3	3
	Electronics Circuits			3	3								Semiconductor Manufacturing Technology			3	3
	Electronics Lab(I)			3	3												
	Geometrical Optics			3	3												
	Subtotal	**9**	**9**	**11**	**12**		**Subtotal**	**9**	**9**	**9**	**9**		**Subtotal**	**9**	**9**	**9**	**9**
Elective Courses	Vacuum Technology			2	2	Elective Courses	Material Science and Engineering	3	3			Elective Courses	Solid State Lighting	3	3		
	Introduction to Bio-Medical Engineering			2	2		Introduction to Computers and Programming	3	3				Certification of Solid Design CAD and License Counseling	3	3		
	Engineering Applied Mathematics			2	2		CAD of Solid Design			3	3		Optical Thin Film and Coating Technology	3	3		
							Introduction to Artificial Intelligence			3	3		Technology Management	3	3		
													Photonics applications	3	3		
													Thin Film Technology	3	3		
													Chromatics			3	3
													Optoelectronic Device and Application			3	3
													Solar Photovoltaic Technology			3	3
													Computer-Assisted Design of Optical Thin Films			3	3
													Computer-Aided Optical System Design			3	3
													Digital Logic Design			3	3
													Python Application			3	3

Year		115			
	Course	SEP 2026		FEB 2027	
		Cr.	hr.	Cr.	hr.
MUST Core Required Courses					
	Subtotal	**0**	**0**	**0**	**0**
School Professional Required Courses					
	Subtotal	**0**	**0**	**0**	**0**
Compulsory Courses					
	Subtotal	**0**	**0**	**0**	**0**
Elective Courses	Lab of Property Practice(III)	9	9		
	Project of Optoelectronics	3	3		
	Solar Photovoltaic Technology	3	3		
	Optoelectronic Detection Engineering	3	3		
	Chromatics	3	3		
	Lab of Property Practice(IV)			9	9
	Project of Optoelectronics			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

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
Teaching for Students in the Department of _Semiconductor and Electro-Optical Technology_".

4.Off-campus practice courses : Professional Practice (I)(II)(III)(IV), 1 credit requires 80 hours of off-campus practice.

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