MUST Curriculum Planning for Undergraduate Students for Academic Years 2023-2026 Department of Semiconductor and Electro-Optical Technology

	Year	111		112	
	Course	FEB 2023		SEP 2023	
		Cr.	hr.	Cr.	hr.
MUST Core Required Courses	Physical Education	1	2	1	2
	Chinese Pinyin Pronunciation Practice	1	2		
	Chinese Listening Practice	1	2		
	Chinese Conversation Practice	1	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
School Professional Required Courses	Technical English(I)(II)	2	2	2	2
	Subtotal	2	2	2	2
Compulsory Courses	Physics	3	3		
	Applied Mathematics	2	2		
	Basic Circuit Theory	2	2		
	Introduction to Optoelectric	2	2		
	Computer Data Processing			2	3
	Electronics Circuits			3	3
	Electronics Lab(I)			3	3
	Geometrical Optics			3	3
	Subtotal	9	9	11	12
Elective Courses	Computer Aided Design Model and Engineering Drawings			2	2
	Vacuum Technology			2	2
	Material Science and Engineering			2	2
	Introduction to Bio-Medical Engineering			2	2
	Engineering Applied Mathematics			2	2

	Year	112		113	
	Course	FEB 2024		SEP 2024	
		Cr.	hr.	Cr.	hr.
MUST Core Required Courses					
	Subtotal	0	0	0	0
School Professional Required Courses					
	Subtotal	0	0	0	0
Compulsory Courses	Lab of Property Practice(I)(II)	9	9	9	9
	Subtotal	9	9	9	9
Elective Courses	Optoelectronics Technology (I)(II)	2	2	2	2

	Year	113		114	
	Course	FEB 2025		SEP 2025	
		Cr.	hr.	Cr.	hr.
MUST Core Required Courses	Classified general Education-Taiwanese Culture	2	2		
	Classified general Education-Taiwanese Art	2	2		
	Classified general Education-Taiwan Life and Law			2	2
	Classified general Education-Taiwanese Society			2	2
	Subtotal	4	4	4	4
School Professional Required Courses	Technical English(III)(IV)	2	2	2	2
	Ethics for Engineers			2	2
	Subtotal	2	2	4	4
Compulsory Courses	Introduction to Modern Science	3	3		
	Optoelectronic Material and Device	3	3		
	Electronics Lab(II)	3	3		
	Optoelectric Lab			3	3
	Laser Engineering			3	3
	Subtotal	9	9	6	6
Elective Courses	Solid State Lighting	3	3		
	Certification of Solid Design CAD and Product Design	3	3		
	Optical Thin Film and Coating Technology	3	3		
	Technology Management	3	3		
	Photonics applications	3	3		
	Thin Film Technology	3	3		
	Computer-Aided Optical System Design			3	3
	Chromatics			3	3
	Optoelectronic Device and Application			3	3
	Computer-Assisted Design of Optical Thin Films			3	3
	Semiconductor Manufacturing Technology			3	3
	Digital Logic Design			3	3
	Python Application			3	3
	Solar Photovoltaic Technology			3	3

	Year	114		115	
	Course	FEB 2026		SEP 2026	
		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 84 compulsory credits, and at least 44 elective credits (including the interdepartmental elective credits).

2. Inter-departmental elective credits are transferable. Professional elective course credits shall not be fewer than 32.

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.