MUST Curriculum Planning for Graduate Students for Academic Year 2023-2024, Institute of Semiconductor and Electro-Optical Technology

	1st year(2023)	1st semester		2nd semester			2nd year(2024)	1st semester		2nd semester	
	Course	Cr.	hr.	Cr.	hr.		Course	Cr.	hr.	Cr.	hr.
School Professional Required Courses	Research Methodology and Technical English Writing	1	2			School Professional Required Courses					
	Seminar	1	2	1	2						
	Subtotal	**2**	**4**	**1**	**2**		**Subtotal**	**0**	**0**	**0**	**0**
Compulsory Courses						Compulsory Courses	Thesis	3	3	3	3
	Subtotal	**0**	**0**	**0**	**0**		**Subtotal**	**3**	**3**	**3**	**3**
Elective Courses	Semiconductor Engineering	3	3			Elective Courses	Measurement Technology of Thin Films	3	3		
	Optical Engineering	3	3				Measurement Technology of Optical Device	3	3		
	Introduction to Semiconductor Manufacturing Technology	3	3				Micro Opto Electro Mechanical System Engineering	3	3		
	Optical Fiber Device	3	3				Emitting semiconductor measurement analysis	3	3		
	Optoelectronics	3	3				Solar Photovoltaic Power Technology	3	3		
	Optical Design and Simulation	3	3				Optical Fiber Communcations	3	3		
	Semiconductor Engineering			3	3		Optical Testing	3	3		
	Optical Appliation Engineering			3	3		Nano Bio-photonics			3	3
	Panel Display Theory Technology			3	3		Optical Thin Film			3	3
	Semiconductor process integration			3	3		Plasma Deposition Techniques			3	3
	Material and Device Characterizations of Light Emitting Diodes			3	3		Lighting technology			3	3
	Semiconductor Physics and Devices			3	3		Patent Search and Writing			3	3
	Solid State Lighting Driver Technologies			3	3		Design and Manufacture of LED Lighting Products			3	3
							Photoelectric mechanism			3	3

Cr./hr.=Credit/hour

Remarks:

1. Minimum graduation credits: _30_ credits; compulsory credits: _9_ credits,
   electives: _21_ credits (elective credits include inter-departmental elective credits).
2. Study credits per semester: the lower limit is 1 credit .
3. The department allows inter-departmental electives, but the credits of the department's
   major electives cannot be _15_ credits.
4. All _6_ thesis credits will be granted only after passing the oral exam.
5. Students must earn at least one English as a Medium of Instruction course credit (2 credits or more) to graduate from the program.
6. The elective courses are subject to change if necessary.