## MUST Curriculum Planning for Undergraduate Students for Academic Years 2024-2027 Department of Semiconductor and Electro-Optical Technology

	1st year	Long	0001	Lonn	0004	-	2nd year	LEED	0005	Lorn	0005		3rd year	PPD	0000	cen	000
	Course	-	-	SEP	_	Į.	Course		2025	-	2025		Course	_		-	-
	30000000	Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.		4400-4400-0000	Cr.	hr.	Cr.	h
	Physical Education	1	2	1	2	MUST C	Classified general Education	2	2	2	2	MUST Core		_	_	_	L
MUST Core Required	Classified general Education	2	2	2	2	MUST Core Required	Classified general Education	2	2	_	_	Required				_	L
Courses	Classified general Education	2	2	2	2	Courses						Courses				_	L
	Subtotal	5	6	5	6		Subtotal	4	4	2	2	A COLUMN	Subtotal	0	0	0	-
	Technical English(I)(II)	2	2	2	2		Technical English(III)(IV)	2	2	2	2		Ethics for Engineers			2	
	Applied Chinese(I)(II)	2	2	2	2	10.0											
	Calculus( I )( II )	3	3	3	3	-										_	L
School	Physics and Physics Laboratory	2	3		_	School						School				_	L
Professional	Chemistry and Laboratory	2	3			Professional						Professional					L
Required Courses	Introduction to Computers and Programming	2	2			Required Courses						Required Courses					L
	Basic Electricity and Electricity Experiment			2	3	C		<u></u>									L
	Introduction to Artificial Intelligence			2	2												2022 hr
	Subtotal	13	15	11	12		Subtotal	2	2	2	2		Subtotal	0	0	2	
7.6	Optics			2	2		Electromagnetic(I)(II)	3	3	2	2		Project of Semiconductor and Optoelectronics	1	1	1	0 0 2 2 1 1 1 2 2 3 3 3 3 2 2 2 2 2 2 2 2 2
	Basic Electronics	T		2	2		Engineering Mathematics(I)(II)	3	3	3	3		Optoelectric Lab(II)	2	3		Г
	Electronics Lab(I)			1	3		Applied Electronics	2	2				Semiconductor Manufacturing Technology	3	3		
							Electronics Lab(II)	1	3				Laser Engineering			2	2
Compulsor		1				Compulsory	Introduction to Modern Physics	3	3			Compulsory					Γ
y Courses						Courses	Geometrical Optics			2	2	Courses					Γ
							Optoelectric Lab(I)			2	3	Control of the second					Г
							Semiconductor Materials and Devices			3	3						Г
																	Γ
	Subtotal	0	0	5	7		Subtotal	12	14	12	13		Subtotal	6	7	3	3
	Introduction to Semiconductor and Optoelectric Industry	1	1				Programming Language	2	2				Certification of Solid Design CAD and License Counseling	2	2		
	Basic Circuit Theory	2	2				Vacuum Technology	2	2				Computer-aided Optical System Design	2	2		Γ
	Vector Analysis	3	3				Mechanism of Optoelectronic System	2	2				Graphical Programming Language Design	2	2		Г
	Chinese Proficiency Test Preparation (I)	2	2				CAD of Solid Design			2	2		Practice of Digital Circuits	2	2		Г
	Chinese Grammar and Writing	2	2			1	Graphical Programming Language Design			2	2		Thin Film Technology	2	2		Г
	Introduction to Materials			2	2		Introduction to Bio-Medicine			2	2	76	Solid State Lighting and License Counseling	2	2		Γ
	Photoelectric Drawing and modeling	T		2	2								Wave Optics	2	2		
	Electronic Circuit and License Counseling			2	2								Optoelectronic Material & Device Physics	2	2		
Elective	Chinese Proficiency Test Preparation (II)			2	2	Elective						Elective	Semiconductor Lab			3	3
Elective Courses						Courses						Courses	Materials Analysis			3	3
		Г							7.000				Computer-aided Illumination System Design			2	2
													Applied Circuits in Optoelectronics			2	2
													Flat Panel Display			3	3
													Optoelectronic Device and Application			2	2
												7	Chromatics			2	2
													Optical Thin Film and Coating Technology			2	
													Optoelectronic Detection Engineering			2	2
1		T											Introduction to Optical Microelectromechanical System			2	2

	4th year				
	Course FEB 2027				
	Course	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
	Off-campus internship (1)(11) Project of Semiconductor and	1 9	9	9	9
	Optoelectronies(1)(H)	.3	3	3	3
	Design and Operation of TFT-LCD Panels	3	3		
	Creative Design in Optoelectronics	3	3		
	Liquid Crystal Materials and Optic	3	3		
	Solar Photovoltaic Technology	3	3		
	Computer-Assisted Design of Optical Thin Films	3	3		
Elective Courses	The Measurement of Semiconductors	3	3		
	Micro Opto Electro Mechanical Device and System	3	3		1777
	Sloar-Cell-Driven LED Display			3	3
	Technology Management			3	3
	Semiconductor Material Analysis			3	3
	Nano Bio-photonics			3	3
	Technology of Organic Light-Emitting Diode display			3	3
	Projection Display Technology			3	3

Cr./hr.=Credit/hour

Remarks:

 According to university regulations, students are required to meet the graduation requirement of basic language proficiency and professional skills.

- 2.In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4th year.
- Minimum graduation credits: 128 credits; Compulsory credits: 81 credits. Elective credits: 44 credits (elective credits include inter-departmental elective credits); the elective credits for majors in the department must not be lower than 32 credits.
- 4.Students should take off-campus internship courses, 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\_".

5. Elective courses are subject to change if necessary.





