(2026-2027) Curriculum plan for the year							
Department: Optical Technologies			Technical Medical College				Northern Technical University
First level							
The symbol	The ,pavement if any	semester	Number of units	Number of practical hours	Number of theoretical hours	In English	Requirement type
NTU 100		F1	2	-	2	Human rights and Democracy	University requirements
NTU101		F1	2	0	2	English Language	
NTU102		F2	2	1	1	Computer	
NTU103		F1	2	-	2	Arabic Language	
NTU104	One subject is	F2	2	1	1	Sports	
NTU105				0	2	French Language	
20.8%	ratio		10	1	5		
MTCD101		F1	4	4	2	Principles of Medical Biology	College requirements
MTCD102		F2	4	4	2	Medical MicroBiology	
16.7%	ratio		8	8	4		
OPT 101		F1	5	4	3	Anatomy of the head and neck	scientific Department Requirement
OPT 102		F2	5	4	3	Anatomy of the eye	
OPT 103		F1	5	4	3	Principles of Chemistry	
OPT 104		F2	5	4	3	Biochemistry	
OPT 107		F1	5	4	3	Optical physics	
OPT 108		F2	5	4	3	Medical physics	
62.5%	ratio		30	24	18		
			48				
			48				

(2026-2027) Curriculum plan for the year							
Department: Optical Technologies			Technical Medical College				Northern Technical University
Second Level							
The symbol	The ,pavement if any	semester	Number of units	Number of practical hours	Number of theoretical hours	In English	Requirement type
NTU200		F2	2	-	2	English Language	University requirements (cognitive requirements)
NTU201		F1	2	1	1	Computer	
NTU202		F2	2	-	2	Arabic Language	
NTU203		F1	2	-	2	The crimes of the Baath regime in Iraq	
NTU204		F2	2	.	2	Professional behaviour	
20.8%	ratio		10	1	9		
MTCD201		F1	2	-	2	Medical psychology	College requirements
MTCD202		F2	3	2	2	Metabolism	
MTCD203		F1	3	2	2	Biostatistics	
MTCD204			Completed				
16.7%	ratio		8	4	6		
OPT201		F1	3	3	2	Physiology of the eye and vision	ion
OPT202		F2	3	3	2	Physiology of the retina eye	

OPT203		F1	4	4	2	Optical devices and tools	Departmental Specializat Requirements
OPT204		F2	4	4	2	Advanced Optical Equipment	
OPT205		F1	4	3	3	Ocular health	
OPT206		F2	4	3	3	Eye problems	
OPT207		F1	3	3	2	Refractive	
OPT208		F1	2	-	2	pharmacology	
OPT209		F2	3	2	2	Laser in ophthalmology	
62.5%	ratio		30	25	20		
			48				

(2026-2027) Curriculum plan for the year

Department: Optical Technologies	Technical Medical College	Northern Technical University

Third Level

The symbol	The ,pavement	semester	Number of units	Number of practical	Number of theoretical	In English	Requirement type
							University requirements (cognitive requirements)
0.0%	ratio		0	0	0		
MTCD301		F2	2	2	1	computer applications	College requirements
MTCD302		F1	2	-	2	Safety in laboratories	
MTCD303		F1	2	-	2	Medical research methods	
MTCD304			Completed				

18.8%	ratio		6	2	5		the total
OPT301		F1	3	3	2	Eye problems in internal diseases	Departmental Specialization Requirements
OPT302		F2	3	3	2	Eye problems in nervous diseases	
OPT303		F1	3	3	2	Prescription glasses	
OPT304		F2	3	3	2	Glasses Problems	
OPT305		F1	3	3	2	Squint	
OPT306		F2	3	3	2	Squint Problems	
OPT307		F1	3	3	2	Refractive Errors	
OPT308		F2	3	3	2	Optical Testing Devices	
OPT309		F2	2	2	1	Treatment of ocular diseases by laser	
81.3%	ratio		26	26	17		
			32				

(2026-2027) Curriculum plan for the year

Department: Optical Technologies	Technical Medical College	Northern Technical University

Forth Level

	The		Number	Number of	Number of		

The symbol	,pavement if any	semester	Number of units	practical hours	theoretical hours	In English	Requirement type
							University requirements (cognitive requirements)
NTU400		F1	2	-	2	Scientific research methodology	
5.4%	ratio		2	0	2		
MTCD402	One subject is	F1	2	-	2	Preventive and social medicine	College r
MTCD403		F2		-	2	Serology and Vaccines	
MTCD404		F2	4	-	-	Graduation Project	
16.2%	ratio		6	0	4		
OPT401		F1	3	3	2	Eye Diseases	Departmental Specialization Requirements
OPT402		F2	3	3	2	Diseases Retina	
OPT403		F1	3	3	2	Squint Diagnosis	
OPT404		F2	3	3	2	Squint Treatment	
OPT405		F1	3	3	2	Glasses and contact lenses	
OPT406		F2	3	3	2	kind alternatives	
OPT407		F1	3	3	2	Eye Prosthesis	
OPT408		F2	3	3	2	Pediatric ophthalmology	
OPT409		F1	3	3	2	Eye rays and sonar	
OPT410		F2	2	4	-	Workshop of optical Technique	
78%	ratio		29	31	18		
			37				

			165				

		Total	Department requirements	College requirements	University requirements		
		165	115	28	22		
		100%	70%	17%	13%		