

(2023-2024) Study plan for the year

Section: Optics Technologies		Medical Technical College role				Northern Technical University		
level one								
code	Grader, if any	Semester	number of units	Number of practical hours	Number of theoretical hours	Course Name		Requirement type
						In English		
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		
NTU112	One material is selected	F2	2	0	2	French Language		
NTU113				1	1	Sports		
27.8%	The ratio		10	1	5	Total university units		
								College requirements
0.0%	The ratio		0	0	0	Total college units		
OPT 101		F1	4	4	2	Anatomy of the head and neck		Scientific department requirements
OPT 102		F2	4	4	2	Anatomy of the eye		
OPT 103		F1	3	3	2	Principles of Chemistry		
OPT 104		F2	3	3	2	Biochemistry		
OPT 105		F1	3	3	2	Principles of Medical Biology		
OPT 106		F2	3	3	2	Medical Microbiology		
OPT 107		F1	3	3	2	Optical physics		
OPT 108		F2	3	3	2	Medical physics		
72.2%	The ratio		26	26	16	Total units of the scientific department		
			36			Total units of the first level		

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Second Level								
code	Grader, if any	Semester	number of units	Number of practical hours	Number of theoretical hours	Course Name		Requirement type
						In English		
NTU200			2	0	2	English Language		University requirements (cognitive requirements)
NTU201			2	1	1	Computer		
NTU202		F1	2	-	2	Arabic Language		
NTU203			2	0	2	Baath Party crimes		
NTU204			2	-	2	Professional behaviour		
21.7%	The ratio		10	1	9	Total university units		
MTCD201			2	-	2	Medical psychology		College requirements
MTCD202			3	2	2	Nutritional metabolism		
MTCD203			3	2	2	Biostatistics		
MTCD204			Satisfied			summer training		
17.4%	The ratio		8	4	6	Total college units		
OPT201			3	3	2	Physiology of the eye and vision		Department specialized requirements
OPT202			3	3	2	Physiology of the retina eye		
OPT203			3	3	2	Optical devices and tools		
OPT204			3	3	2	Advanced optical equipment		
OPT205			4	3	3	Ocular health		
OPT206			4	3	3	Eye problems		
OPT207			3	3	2	Refractive		
OPT208			2	-	2	pharmacology		
OPT209			3	2	2	Laser in ophthalmology		
60.9%	The ratio		28	23	20	Total units of the scientific department		
			46			Total second level units		

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The third level								
code	Grader, if any	Semester	number of units	Number of practical hours	Number of theoretical hours	Course Name		Requirement type
						In English		
NTU300			2	-	2	English Language		ersit rem is nitiv

								University requirement (cognitive)
5.7%	The ratio		2	0	2	Total university units		
MTCD301			2	2	1	computer applications		College requirements
MTCD302			2	-	2	Safety in laboratories		
MTCD303			2	-	2	Medical research methods		
MTCD304			Satisfied			summer training		
17.1%	The ratio		6	2	5	Total college units		the total
OPT301			3	3	2	Eye problems in internal diseases		Department specialized requirements
OPT302			3	3	2	Eye problems in nervous diseases		
OPT303			3	3	2	Prescription glasses		
OPT304			3	3	2	GlassesProblems		
OPT305			3	3	2	Squint		
OPT306			3	3	2	SquintProblems		
OPT307			4	4	2	Refractive Errors		
OPT308			3	3	2	Optical Testing Devices		
OPT309			2	2	1	Treatment of ocular diseases by laser		
77.1%	The ratio		27	27	17	Total units of the scientific department		
			35			Total third level units		

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fourth level								
code	Grader, if any	Semester	number of units	Number of practical hours	Number of theoretical hours	Course Name		Requirement type
						In English		
NTU401			2	-	2	English Language 4		University requirements (cognitive requirements)
NTU400			2	-	2	Scientific research methodology		
10.3%	The ratio		4	0	4	Total university units		

								College requirements
MTCD402	One material is selected		2	-	2	Preventive and social medicine		
MTCD403				-	2	Serology and Vaccines		
MTCD404			4	-	-	Graduation Project		
15.4%	The ratio		6	0	4	Total college units		
OPT401			3	3	2	Eye Diseases		Department specialized requirements
OPT402			3	3	2	Diseases Retina		
OPT403			3	3	2	Squint Diagnosis		
OPT404			3	3	2	Squint Treatment		
OPT405			3	3	2	Glasses and contact lenses		
OPT406			3	3	2	kind alternatives		
OPT407			3	3	2	Eye prosthesis		
OPT408			3	3	2	Pediatric ophthalmology		
OPT409			3	3	2	Eye rays and sonar		
OPT410			2	4	-	Workshop of optical technology		
74%	The ratio		29	31	18	Total units of the scientific department		
			39			Total units of the fourth level		
			156			The total number of units for all levels		