

Study Plan for the Academic Year 2024-2025						
Northern Technical University		Kirkuk Technical Institute		Department: Mechanical Technologies / Production Bran		
Academic Level (First)						
Codes	Prerequisite, if any	No Unis	Practical hours	Theoretical hours	Course name (in english)	Type of Requirement
NTU100	-	2	-	2	Humans Rights and Democracy	University Requirements (credit hours 12) Mandatory Courses + 1 4 Elective Course
NTU101	-	2	-	2	English language 1	
NTU102	-	2	1	1	Computer 1	
NTU103	-	2	-	2	Arabic Language	
NTU104	-	2	1	1	Sport	
TIKI110		2	-	2	Mathematics 1	Institute Requirements (credit hours 13) Mandatory Courses 4
TIKI111	TIKI110	2	-	2	Mathematics 2	
TIKI112	-	3	3	-	Engineering Drawing 1	
TIKI113	-	6	6	-	Workshop 1	
METP120		4	2	2	Mechanics1	Specialization Requirements (credit hours 32) Mandatory Courses + 1 8 Elective Course
METP121	METP120	4	2	2	Mechanics2	
METP122		4	2	2	Manufacturing processes 1	
METP123	METP122	4	2	2	Manufacturing processes 2	
METP124		2	-	2	Material properties 1	
METP125	METP124	2	-	2	Material properties 2	
METP126	TIKI112	3	3	-	Engineering drawing 2	
METP127	TIKI113	6	6	-	Workshops 2	
METP128		3	2	1	Electricity technology	
METP129		3	2	1	Strength of material 1	
METP131			-	-	Summer training	
			32	26	Total Number of Practical and Theoretical Hours	
		58			Total Credit Hours	

Study Plan for the Academic Year 2024-2025						
Northern Technical University		Kirkuk Technical Institute		Department: Mechanical Technologies / Production Bran		
Academic Level (Second)						
Codes	Prerequisite, if any	No Unis	Practical hours	Theoretical hours	Course name (in english)	Type of Requirement
NTU200	-	2	-	2	English language 2	University Requirements Mandatory Courses 4
NTU201	-	2	1	1	computer2	
NTU202	-	2	-	2	Arabic Language	
NTU203	-	2	-	2	The Baath regime crimes in Iraq.	
NTU204	-	2	-	2	Professional Ethics	
TIKI206	-	4	4	-	Project	Institute Requirments
TIKI207	-	2	-	2	Principles of occupational Safety	
TIKI208	-	2	-	2	Industrial Management	
METP210		2		2	Machines Parts 1	Specialization Requirements
METP211	METP210	2		2	Machines Parts 2	
METP212		4	2	2	Manufacturing processes 3	
METP213	METP212	4	2	2	Manufacturing processes 4	
METP214		6	6		Workshops 3	
METP215	METP214	6	6		Workshops 4	
METP216		4	2	2	Metallurgy 1	
METP217	METP216	4	2	2	Metallurgy 2	
METP218		3	3		Industrial drawing 1	
METP219	METP218	3	3		Industrial drawing 2	
METP220		3	2	1	Computer applications 1	
METP221		3	2	1	Computer applications 2	
METP223	METP119	2		2	Strength of material 2	
METP224		4	2	2	Welding and metal forming	
METP225		2		2	Quality Control	
		70	37	33	Total Number of Practical and Theoretical Hours	

	70		Total Credit Hours		
	Ministry of Higher Education and Scientific Research				
	All Technical Universities				
	Engineering Specializations for Technical Institutes/Technologies (Mechanics, Machinery and Equipment, Chemical Industries)				
	Diploma Curriculum for the Academic Year (2024-2025)				
	Graduation Requirements for Students in the Mechanical Technology Department/Production Branch				
	percentage	Nomber	Details	Units	Sequence
	14.3%	14	Elective Units	12-14%	1
		4	Elective Units		
	16.6%	17	Elective Units	14-17%	2
		4	Elective Units		
	69.0%	73	Compulsory units	58-69%	3
		14	Compulsory units		
		104	Elective Units	84-100	Total Requirment Units
		22	Compulsory units		
	126	total units			