

Level One - Curriculum Table

Requirement Type	Course Name (English)	Theoretical Hours	Practical Hours	Units	Course Code
University Requirements (10-15)%	Democracy and Human rights	2	-	2	NTU 100
	English language	2	-	2	NTU 101
	Computer	1	1	2	NTU 102
	Arabic language	2	-	2	NTU 103
	Sports (Elective)	1	1	2	NTU 104
Total Units for University Requirements				8	
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Institute Requirements (16-22)%	Mathematics	2		2	MIT100
	Mechanical Workshops	-	3	3	MIT101
	Engineering Drawing	-	3	3	MIT102
	Calculus	2		2	MIT103
Total Units for Formation Requirements (Institute)				10	
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Department Requirements (63-74)%	DC Electric Circuits	2	2	4	MTD100
	Digital Logic	2	2	4	MTD101
	AC Electric Circuits	2	2	4	MTD102
	Engineering Mechanics	5	-	5	MTD103

Requirement Type	Course Name (English)	Theoretical Hours	Practical Hours	Units	Course Code
	Fundamentals of Electronics	2	2	4	MTD104
	Fluid Mechanics	2	2	4	MTD105
	Material and Manufacturing Engineering	2	4	6	MTD106
	Computer Systems and Programming	2	3	5	MTD107
	Advanced Mathematics	6	-	6	MTD108
Total Units for Department Requirements				42	
Overall Total Units				60	

Level Two Curriculum Table

Requirement Type	Course Name (English)	Theoretical Hours	Practical Hours	Units	Course Code
University Requirements (10-15)%	English language	2	-	2	NTU200
	Computer	1	1	2	NTU201
	Arabic language	2	-	2	NTU202
	Crimes of the Baath regime in Iraq	2	-	2	NTU203
	Ethics of the Profession (Mandatory)	2	-	2	NTU204
Total Units for University Requirements				10	
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Institute Requirements (16-22)%	Research Project	2	-	2	MIT200

Requirement Type	Course Name (English)	Theoretical Hours	Practical Hours	Units	Course Code
	Specialized Workshop	-	3	3	MIT201
	Application Project		2	2	MIT202
	Occupational Safety	2	-	2	MIT203
Total Units for Formation Requirements (Institute)				9	
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Department Requirements (63- 74)%	DC Electrical Machines	2	2	4	MTD200
	AC Electrical Machines	2	2	4	MTD201
	Sensors and Instrumentation	2	2	4	MTD203
	Strength of Materials	2	2	4	MTD204
	Engineering Material	2	2	4	MTD205
	Pneumatic and Hydraulic Systems	2	2	4	MTD206
	Thermodynamics	3	2	5	MTD207
	Automatic Control Engineering	2	2	4	MTD208
	Digital Communication	2	2	4	MTD209
	Programmable Logic Controller (PLC)	2	2	4	MTD210
Total Units for Department Requirements				41	
Overall Total Units				60	