

Course Schedule for Level One

Academic Year: 2025-2026

University Requirements % (10-15)	Course Title	Hours	Units	Code
Human Rights and Democracy	2	-	2	NTU100
English Language	-	2	2	NTU101
Computer	1	1	2	NTU102
Arabic Language	2	-	2	NTU103
Sports (Elective)	1	1	2	NTU104
French Language (Elective)	1	1	2	NTU106
Total University Requirement Units			8	
Mathematics	2	0	2	MTI100
Mechanical Workshop	0	3	3	MTI101
Engineering Drawing	0	3	3	MTI102
Calculus	2	0	2	MTI103
Total Institute Requirement Units			10	
Fluid Mechanics	3	3	6	ICTI120
Operation of Industrial Units	3	3	6	ICTI121
Physical Chemistry	3	3	6	ICTI122
Thermodynamics	3	3	6	ICTI123
Analytical and Inorganic Chemistry	3	3	6	ICTI124
Organic Chemistry	3	2	5	ICTI129
Industrial Devices and Equipment	2	2	4	ICTI225
Power Sources	2	2	4	ICTI130
Total Department Requirement Units			43	
Total Overall Requirement Units			61	

Course Schedule for Level Two

Type of Requirement %	Course Title	Hours	Units	Code
English Language	2	0	2	NTU200
Computer	1	1	2	NTU101
Arabic Language	2	0	2	NTU102
Laws Governing Research in Iraq	2	0	2	NTU203
Professional Ethics	2	0	2	NTU204
Total University Requirement Units			10	
Research Project	2	-	2	MTI200
Specialized Workshop	-	3	3	MTI201
Application Project	-	2	2	MTI202
Professional Safety	2	-	2	MTI203
Total Institute Requirement Units			9	
Crude Oil Technology	2	2	4	ICTI210
Crude Oil Improvement Techniques	2	2	4	ICTI211
Heat Transfer	2	2	4	ICTI212
Mass Transfer	2	2	4	ICTI213
Measurement Techniques	2	2	4	ICTI214
Materials Properties	2	2	4	ICTI216
Chemical Industries	2	3	5	ICTI225
Organic Chemical Industries	2	3	5	ICTI226
Petrochemicals	2	2	4	ICTI227
Total Department Requirement Units			38	
Total Overall Requirement Units			57	