Distribution of Scientific Subjects by Stage and Semester / Chemical Industries Techniques Department / Academic Year (2025 – 2026) / First Year

Course Code	No. of Units	No. of Theoretical Units	No. of Practical Units	Course Name		Course Type	Level	Semester
				English	Arabic			
NTU 100	2	---	2	Human rights and Democracy	حقوق الإنسان والديمقراطية	Compulsory	(1)	First Semester (First Year)
NTU 101	2	---	2	English language (1)	اللغة الإنجليزية (1)	Compulsory	(1)	
NTU 102	2	1	1	Computer principles (1)	مبادئ الحاسوب (1)	Compulsory	(1)	
NTU 103	2	---	2	Arabic language (1)	اللغة العربية (1)	Compulsory	(1)	
NTU 104	2	1	1	Sport	الرياضة	Elective	(1)	
NTU 107	2	---	2	French language	اللغة الفرنسية	Elective	(1)	
TIKI 110	2	---	2	Mathematics (1)	الرياضيات (1)	Compulsory	(1)	Second Semester (First Year)
TIKI 111	2	---	2	Mathematics (2)	الرياضيات (2)	Compulsory	(1)	
TIKI 113	3	3	---	Mechanical Workshop	المعامل الميكانيكية	Compulsory	(1)	
ICTI 120	6	3	3	Fluid flow	جريان الموائع	Compulsory	(2)	First Semester (Second Year)
ICTI 121	6	3	3	Operating of Industrial Units	تشغيل الوحدات الصناعية	Compulsory	(2)	
ICTI 122	6	3	3	Physical Chemistry	الكيمياء الفيزيائية	Compulsory	(2)	
ICTI 123	6	3	3	Thermodynamics	الترموديناميكا	Compulsory	(2)	
ICTI 124	5	3	2	General Chemistry	الكيمياء العامة	Compulsory	(2)	
ICTI 125	5	3	2	Organic Chemistry	الكيمياء العضوية	Compulsory	(2)	
ICTI 128	3	3	---	Engineering Drawing	الرسم الهندسي	Compulsory	(2)	
ICTI 126	2	1	1	Food industries	الصناعات الغذائية	Compulsory	(2)	
ICTI 127	2	1	1	Pharmaceutical industries	الصناعات الدوائية	Compulsory	(2)	
58		28	30	Total				

Distribution of Scientific Subjects by Stage and Semester / Chemical Industries Techniques Department / Academic Year (2025 – 2026) /

Course Code	No. of Units	No. of Theoretical Units	No. of Practical Units	Course Name		Course Type	Level	Academic Stage
				English	Arabic			
NTU 200	2	---	2	English language (2)	اللغة الإنجليزية (2)	Compulsory	(1)	First Semester (First Year)
NTU 201	2	1	1	Computer principles (2)	مبادئ الحاسوب (2)	Compulsory	(1)	
NTU 202	2	---	2	Arabic language (1)	اللغة العربية (1)	Compulsory	(1)	
NTU 203	2	---	2	The ethics of the Baath regime	أخلاقيات البعث	Compulsory	(1)	
NTU 204	2	---	2	Professional Ethics	أخلاقيات المهنة	Elective	(1)	
TIKI 207	2	---	2	Principles of Occupational Safety	مبادئ السلامة المهنية	Compulsory	(1)	Second Semester (First Year)
TIKI 208	2	---	2	Industrial Management	الإدارة الصناعية	Compulsory	(1)	
ICTI 210	5	3	2	Crude oil technology	تكنولوجيا النفط	Compulsory	(2)	Second Semester (Second Year)
ICTI 211	5	3	2	Technical & energy technology	تقنيات تحسين النفط والغاز	Compulsory	(2)	
ICTI 212	5	3	2	Heat transfer	انتقال الحرارة	Compulsory	(2)	
ICTI 213	5	3	2	Mass transfer	انتقال المادة	Compulsory	(2)	
ICTI 214	4	2	2	Measurement techniques and control	تقنيات القياس والسيطرة	Compulsory	(2)	
ICTI 215	4	2	2	Principles of electricity	مبادئ الكهرباء	Compulsory	(2)	
ICTI 216	4	2	2	Material properties	خصائص المواد	Compulsory	(2)	
ICTI 217	4	2	2	Construction of devices	إنشاء الأجهزة	Compulsory	(2)	
ICTI 218	5	3	2	Water treatment	معالجة المياه	Compulsory	(2)	
ICTI 219	5	3	2	Chemical industries	الصناعات الكيميائية	Compulsory	(2)	
ICTI 220	4	4	---	Project	المشروع	Compulsory	(2)	
ICTI 221	3	2	1	Environmental pollution	التلوث البيئي	Compulsory	(2)	
ICTI 222	3	2	1	Quality control	التحكم النوعي	Compulsory	(2)	
ICTI 223	Study & Summer Training			Summer training	التدريب الصيفي	Compulsory	(2)	
65		33	32	Total				