Table of materials and ECTS units for Chemical and Oil Industries Technology Engineering Department

2025-2026

First Stage							
M code	ECTS	Tutorial	Seminar	Practical	Theoretical	Module Name in English	
NTU100	2		1		2	Democracy and Human Rights	1
NTU101	2		1		2	English Language	2
ETCP106	8	2	1		2	Mathematics	3
ETCP-105	8		1	3	2	Engineering Drawing	4
ETCP100	10	2	1		4	Principles of Chemical Engineering	5
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M code	ECTS	Tutorial	Seminar	Practical	Theoretical	Module Name in English	
NTU102	3		1	3	1	Computer	1
NTU103	2				2	Arabic Language	2
ETCP-107	6			3	2	Electrical Principles	3
ETCP-103	5			4		Workshop	4
ETCP-104	6	2			2	Engineering Mechanics &Strength of Materials	5
ETCP102	8		1	3	2	General Chemistry	6
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Second Stage							
M code	ECTS	Tutorial	Seminar	Practical	Theoretical	Module Name in English	
NTU200	2				2	Crimes of the Ba'ath Regime in Iraq	1
ETCP200	8		1	3	2	Petroleum Chemistry	2
ETCP201	6	2			2	Engineering Mathematics	3
ETCP202	8		1	3	2	Physical Chemistry	4
ETCP203	6			3	2	Engineering Materials	5
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M code	ECTS	Tutorial	Seminar	Practical	Theoretical	Module Name in English	
NTU203	2				2	Arabic language	1
NTU201	2				2	English language	2
ETCP204 NTU202	3		1	3	2	Computer	3
ETCP205 ETCP204	8	1		3	2	Fluid Flow	4
ETCP206	5	2		2	2	Kinetics	5
ETCP207	6	1	1		2	Energy Balance	6
ETCP208	4		1	3	2	Fluid Petroleum Properties	7
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Third Stage							
M code	**ECTS**	**Tutorial**	**Seminar**	**Practical**	**Theoretical**	**Module Name in English/S1**	
ETCP300	**5**		**1**	**3**	**2**	**Mass Transfer I**	**1**
ETCP301	**5**		**1**	**3**	**2**	**Heat Transfer I**	**2**
ETCP302	**5**		**1**	**3**	**2**	**Thermodynamics I**	**3**
ETCP303	**5**		**1**	**2**	**2**	**Reactor Design I**	**4**
ETCP304	**4**		**1**	**3**	**2**	**Instrumental of Chemical Analysis**	**5**
ETCP305	**4**		**1**	**3**	**2**	**Automation in Chemical Industries**	**6**
ETCP306	**2**	**2**			**2**	**Engineering Analysis**	**7**
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M code	**ECTS**	**Tutorial**	**Seminar**	**Practical**	**Theoretical**	**Module Name in English/S2**	
ETCP308	**5**	**1**		**3**	**2**	**Mass Transfer II**	**1**
ETCP309	**5**		**1**	**3**	**2**	**Heat Transfer II**	**2**
ETCP310	**5**		**1**	**3**	**2**	**Thermodynamics II**	**3**
ETCP311	**5**		**1**	**2**	**2**	**Reactor Design II**	**4**
ETCP312	**4**		**1**	**3**	**2**	**Chemical Process Simulation**	**5**
ETCP313	**3**		**1**	**2**	**2**	**Renewable energies**	**6**
ETCP307	**3**		**1**		**2**	**Industrial Safety**	**7**
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Fourth Stage							
M code	**ECTS**	**Tutorial**	**Seminar**	**Practical**	**Theoretical**	**Module Name in English**	
TEMO400	2 4			4		Project I	1
ETCP400	6		1	3	3	Petroleum Refinery	2
ETCP401	6	2			2	Equipment Design I	3
ETCP402	4		1	3	2	Environmental Pollution in Chemical industries	4
ETCP403	6		1	3	3	Chemical Industries	5
ETCP404	6			3	2	Unit Operation I	6
ETCP405	5		1	3	2	Petrochemical Industries	7
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M code	**ECTS**	**Tutorial**	**Seminar**	**Practical**	**Theoretical**	**Module Name in English**	
TEMO400	2			4		Project II	1
ETCP406	6		1	3	3	Chemical Industries	2
ETCP407	6	2			2	Equipment Design II	3
ETCP408	5	2			2	Gas Technology	4
ETCP409	4			3	2	Process Control	5
ETCP410	6			3	2	Unit Operation II	6
ETCP411	2	2			2	Numerical Analysis	7
