B.SC. (Engg) Chemical Engineering

Course Title	Course Code	Course Type	Credit Hour
Semester 1			
GEN(NS)		General	3
Functional English	GENG-101	General	3
Civics and Community Engagement	GCCE-101	General	2
Islamic Studies / Ethics (for Non-Muslims)	GISL-101 / GETH-101	General	2
Chemical Process Industries Lab	CHE-117	Major	1
Chemical Process Industries	CHE-111	Major	3
Tarjuma-e-Quran	HQ-001	Compulsory	0
			Total Credit Hours 14
Semester 2			
GEN(AH)		General	2
Quantitative Reasoning (I)	GQR-101	General	3
Entrepreneurship	GENT-101	General	2
Ideology and Constitution of Pakistan	GICP-101	General	2
Engineering Drawing & Graphics Lab	CHE-129	Major	1
Chemical Engineering Principles-I	CHE-121	Major	2
Tarjuma-e-Quran	HQ-002	Compulsory	1
			Total Credit Hours 13
Semester 3			
Applications of Information and Communication Technologies	GICT-201	General	3
Expository Writing	GENG-201	General	3
Fluid and Particle Mechanics-I	CHE-233	Major	3
Heat Transfer	CHE-232	Major	3
Chemical Engineering Principles-II	CHE-231	Major	2
Tarjuma-e-Quran	HQ-003	Compulsory	0
Pakistan Studies.	GPST-201	General	2
			Total Credit Hours 16
Semester 4			
GEN(SS)		General	2
Quantitative Reasoning (II)	GQR-201	General	3
Fluid and Particle Mechanics - II	CHE-244	Major	3
Chemical Engineering Thermodynamics-I	CHE-242	Major	3
Particulate Technology	CHE-241	Major	3
Tarjuma-e-Quran	HQ-004	Compulsory	1
			Total Credit Hours 15
Semester 5			
Interdisciplinary		Interdisciplinary	3
Interdisciplinary		Interdisciplinary	3
Separation Processes-I	CHE-354	Major	3
Mass Transfer	CHE-353	Major	3
Chemical Engineering Thermodynamics-II	CHE-351	Major	2
Tarjuma-e-Quran	HQ-005	Compulsory	0
Chemical Reaction Engineering	CHE-356	Major	3
			Total Credit Hours 17
Semester 6			
Internship	CHE-400	Major	0
Product Development Lab	CHE-369	Major	1
major	CHE-	Major	3
Fuels and Energy	CHE-363	Major	3
Separation Processes-II	CHE-361	Major	3
Tarjuma-e-Quran	HQ-006	Compulsory	1
			Total Credit Hours 11
Semester 7			
Instrumentation and Process Control Lab	CHE-478	Major	1
Chemical Process Safety	CHE-476	Major	1
Design Project Part I	CHE-474	Major	3
Instrumentation and Process Control	CHE-473	Major	3
Chemical Plant Design	CHE-471	Major	3
Tarjuma-e-Quran	HQ-007	Compulsory	0
			Total Credit Hours 11
Semester 8			
Design Project Part II	CHE-483	Major	3
Process Design and Optimization Lab	CHE-487	Major	1
Integrated Management Systems	CHE-485	Major	2
Transport Phenomena	CHE-484	Major	3
Process Design and Optimization	CHE-481	Major	3
Tarjuma-e-Quran	HQ-008	Compulsory	1
			Total Credit Hours 13

Signature