

Courses and SDGs mapping																			
Sr #	Code	Course	SDG 1	SDG 2	SDG 3	SDG 4	SDG 5	SDG 6	SDG 7	SDG 8	SDG 9	SDG 10	SDG 11	SDG 12	SDG 13	SDG 14	SDG 15	SDG 16	SDG 17
			No Poverty	Zero Hunger	Good Health and Well-being	Quality Education	Gender Equality	Clean Water and Sanitation	Affordable and Clean Energy	Decent Work and Economic Growth	Industry, Innovation and Infrastructure	Reduced Inequality	Sustainable Cities and Communities	Responsible Consumption and Production	Climate Action	Life Below Water	Life on Land	Peace & Justice Strong Institutions	Partnerships to achieve SDGs
1		Final Year Design Project (Please map FYDP too)						✓	✓	✓	✓	✓	✓	✓	✓				
2	CS-103 & CS-103L	Introduction to Computer Programming for Data Science				✓					✓								
3	ChE-101A	Industrial Stoichiometry – I				✓					✓			✓					
4	ME-122L	Engineering Drawing																	
5	HU-111L	Communication Skills				✓				✓									
6	CY-142 & CY-142L	Physical and Analytical Chemistry																	
7	MA-113	Calculus and Analytic Geometry																	
8	QT-101	Translation of Holy Quran - I				✓													
9	ChE-108	Fluid Flow-I				✓				✓	✓								
10	ChE-104	Health and Safety at Workplace								✓	✓		✓	✓					
11	ME-100L	Workshop Practice							✓		✓		✓						
12	IS-101	Islamic and Pakistan Studies – I																	
13	ChE-109 & ChE-109L	Chemical Process Industries																	
14	MA-118	Applied Mathematics and Statistics																	
15	PHY-113 & PHY-113L	Applied Physics																	
16	ChE-201A	Industrial Stoichiometry – II									✓			✓					
17	ChE-204A & ChE-204AL	Chemical Engineering Thermodynamics – I				✓					✓		✓						
18	HU-221	Technical Writing and Presentation Skills																	
19	ChE-203A & ChE-203AL	Particle Technology				✓					✓		✓						
20	CY-221 & CY-221L	Inorganic and Organic Chemistry																	
21	MA-233 L	Applied Mechanics																	
22	QT-201	Translation of Holy Quran - II																	
23	ChE-210 & ChE-210L	Separation processes-I				✓		✓			✓			✓					
24	EE-140 & EE-140L	Electrical Technology																	
25	IS-201	Islamic and Pakistan Studies – II																	
26	ChE-208 & ChE-208L	Fluid Flow-II				✓				✓	✓			✓					

27	ChE-209 & ChE-209L	Process Heat Transfer				✓			✓		✓		✓	✓					
28	MA-240 & MA-240L	Numerical Analysis																	
29	ChE-301 & ChE-301L	Chemical Reaction Engineering																	
30	ChE-311	Engineering Materials							✓		✓		✓						
31	ChE-312	Unit Processes				✓		✓	✓	✓	✓		✓	✓					
32	ChE-304	Chemical Engineering Thermodynamics – II				✓			✓	✓	✓		✓	✓					
33	MGT-413	Entrepreneurship																	
34	ChE-315 L	Process Modeling and Simulation				✓					✓								
35	ChE-314	Chemical Engineering Mathematics				✓				✓	✓								
36	ChE-308 & ChE-308L	Energy Engineering																	
37	ChE-313	Chemical Process Design & Economics				✓		✓	✓	✓	✓		✓	✓					
38	ChE-310 & ChE-310L	Separation Processes-II						✓		✓	✓		✓	✓					
39	ChE-307	Transport Phenomena				✓				✓	✓		✓	✓					
40	ChE-316	Community/Research Project-I																	
41	QT-301	Translation of Holy Quran - III				✓													
42	ChE-432 to ChE-441	Elective-I																	
43	ChE-404 & ChE-404L	Instrumentation and Control				✓					✓			✓					
44	ChE-401	Chemical Reactor Design				✓				✓	✓		✓	✓					
45	ChE-409	Chemical Process Equipment Design and Rating				✓		✓	✓	✓	✓			✓					
46	ChE-410	Engineering Management				✓					✓			✓					✓
47	ChE-411	Final Year Project – I						✓	✓	✓	✓	✓	✓	✓					
48	ChE-317	Community/Research Project-II																	
49	ChE-406 & ChE-406L	Environmental Engineering				✓		✓	✓	✓	✓	✓	✓	✓	✓				
50	ChE-432 to ChE-441	Elective-II																	
51	ChE-421 to ChE-431	Elective-III																	
52	ChE-421 to ChE-431	Elective-IV																	
53	QT-401	Translation of Holy Quran - IV				✓													
54	ChE-412	Final Year Project – II						✓	✓	✓	✓	✓	✓	✓	✓				