

1 st SEMESTER						
Course Code	Subject	Credit Hours		Contact Hours		Prerequisite
		Theory	Pract.	Theory	Pract.	
CE-104A	Civil Engineering Materials	2	0	2	0	None
CE-105A	Engineering Drawing	1	2	1	6	None
CE-102A	Engineering Mechanics	2	1	2	3	None
MA-111	Applied Mathematics-I	3	0	3	0	None
PHY-124	Applied Physics and Electro-mechanical Fundamentals	2	1	2	3	None
MinE-170A	Geology for Engineers	2	0	2	0	None
QT-101	Translation of the Holy Quran-I	1	0	1	0	None
	Total	13	4	13	12	
	Semester Total	17		25		

2 nd SEMESTER						
Course Code	Subject	Credit Hours		Contact Hours		Prerequisite
		Theory	Pract.	Theory	Pract.	
CE-101A	Engineering Surveying	2	1	2	3	None
CE-150A	Computer Programming and Application of ICT	2	1	2	3	None
CE-111A	Mechanics of Solids-I	2	1	3	3	None
HU-111L	Communication Skills	0	1	0	3	None
IS-102	Islamic Studies/ Ethics	3	0	3	0	None
MA-112	Applied Mathematics-II	3	0	3	0	None
ME-100L	Workshop Practice	0	1	0	3	None
	Total	12	5	13	15	
	Semester Total	17		28		

3rd SEMESTER						
Course Code	Subject	Credit Hours		Contact Hours		Prerequisite
		Theory	Pract.	Theory	Pract.	
CE-201A	Surveying and Geo-Informatics	3	1	3	3	CE-101A
CE-231A	Fluid Mechanics	3	1	3	3	None
MA-346	Numerical Methods	3	0	3	0	None
IS-202	Ideology and Constitution of Pakistan & Islamic Studies	3	0	3	0	None
CE-208A	Quantity Surveying and Project Planning	1	1	1	3	None
CE-209A	Professional Ethics and Community Engagement	2	0	2	0	None
	Total	15	3	15	9	
	Semester Total	18		24		

4 TH SEMESTER						
Course Code	Subject	Credit Hours		Contact Hours		Prerequisite
		Theory	Pract.	Theory	Pract.	
CE-205A	Computer Graphics and Building Information Modeling (BIM)	0	2	0	6	CE-105A
CE-207A	Economics for Engineers	2	0	2	0	None
CE-211A	Structural Analysis-I	3	0	3	0	CE-102A
CE-221A	Soil Mechanics	2	1	2	3	None
ATP-201	Introduction to Architecture and Town Planning	2	0	2	0	None
QT-201	Translation of the Holy Quran-II	1	0	1	0	None
CE-236A	Engineering Hydrology	2	1	2	3	None
CE-200A	Occupational Health & Safety	0	1		3	None
CE-100A	Survey Camp	Non-Credit (Mandatory and qualifying)				
	Total	12	5	12	15	
	Semester Total	17		27		

5 TH SEMESTER						
Course Code	Subject	Credit Hours		Contact Hours		Prerequisite
		Theory	Pract.	Theory	Pract.	
CE-301A	Construction Project Management	2	0	2	0	
CE-311A	Structural Analysis-II	2	0	2	0	CE-211A
CE-313A	Steel Structures	3	1	3	3	CE-102A
CE-321A	Geotechnical Engineering	3	1	3	3	CE-221A
CE-302A	Construction Engineering	2	0	2	0	None
HU-300	Technical Report Writing	3	0	3	1	None
QT-301	Translation of the Holy Quran-III	1	0	1	0	None
	Total	16	2	16	7	
	Semester Total	18		23		

6 TH SEMESTER						
Course Code	Subject	Credit Hours		Contact Hours		Prerequisite
		Theory	Pract.	Theory	Pract.	
CE-312A	Mechanics of Solids-II	3	1	3	3	CE-111A
CE-314A	Reinforced Concrete Design-I	3	1	3	3	None
CE-331A	Advanced Fluid Mechanics	3	1	3	3	CE-231A
MA-356	Probability and Statistics in Engineering	2	0	2	0	None
Mgt-318	Entrepreneurship and Management	2	0	2	0	None
CE-323A	Foundation Engineering	2	0	2	0	CE-221A
CE-300A	Internship (6-8 weeks)	Non-Credit (Mandatory and qualifying)				None
	Total	15	3	15	9	
	Semester Total	18		24		

7 TH SEMESTER						
Course Code	Subject	Credit Hours		Contact Hours		Prerequisite
		Theory	Pract.	Theory	Pract.	
CE-401A	Structural Engineering	3	0	3	0	CE-311A
CE-411A	Reinforced Concrete Design-II	3	1	3	3	CE-314A
CE-421A	Transportation Engineering	3	1	3	3	None
CE-434A	Hydraulic Engineering	3	1	3	3	CE-231A
CE-499A	FYDP-I	0	3	0	6	
	Total	12	6	12	15	
	Semester Total	18		27		

8 TH SEMESTER						
Course Code	Subject	Credit Hours		Contact Hours		Prerequisite
		Theory	Pract.	Theory	Pract.	
CE-431A	Irrigation Engineering	3	1	3	3	CE-231A
CE-412A	Computer Aided Design of Structures	1	2	1	6	CE-313A, CE-314A
CE-423A	Pavement Analysis and Design	2	0	2	0	CE-321A
ENE-440	Environmental Engineering	3	1	3	3	CE-231A
QT-401	Translation of the Holy Quran-IV	1	0	1	0	None
CE-499A	FYDP-II	0	3	0	6	
	Total	10	7	10	18	
	Semester Total	17		28		
	G. Total	140		206		