(EFFECTIVE FROM BATCH 2018)

				FIRS	TYEAR					
	Fall		Spring							
Course Code	Course Title	Credit Hou		ours	Course Code	Course Title		Credit Hours		
		Th	Pr	Total			Th	Pr	Total	
CE-107	Engineering Drawing-I	1	2	3	CE-109	Engineering Surveying-I	2	1	3	
CE-102	Statics and Dynamics	3	1	4	CE-110	Chemistry for Civil Engineers	1	1	2	
EE-123	Basic Electrical Engineering	2	0	2	CE-111	Introduction to Computing for Civil Engineers	1	2	3	
CE-108	Engineering Materials	2	1	3	ME-110	Basic Mechanical Engineering	2	0	2	
MT-114	Calculus	3	0	3	HS-111	Functional English	2	0	2	
HS-106/	Pakistan Studies OR	1	0	1	MT-221	Linear Algebra & Ordinary	3	0	3	
HS-127	Pakistan Studies (for Foreigners) Civil	12	4	16		Differential Equations Civil	11	4	15	
	Specialization	12	4	16		Specialization	11	4	15	
	Specialization	12	-		ND YEAR	Specialization	11	-	13	
	Fall			JECOI	I	Spring				
Course Code	Course Title	Credit Hours		ours	Course Code	Course Title	Credit Hours		urs	
coue		Th	D.	Total	Coue		Th	D.	Total	
CF 201	Facing a sing Companies II	Th	Pr	Total	CE 222	Facility and a Description II	Th	Pr	Total	
CE-201	Engineering Surveying-II	3	1	4	CE-222	Engineering Drawing-II	1	2	3	
CE-205	Mechanics of Solids-I	3	1	4	CE-219	Fluid Mechanics-I	3	1	4	
CE-220	Geology for Engineers	2	1	3	CE-221	Structural Analysis-I	3	0	3	
HS-218	Business Communication	2	1	3	HS-219	Professional Ethics	2	0	2	
HS-205 / HS-209	Islamic Studies OR Ethical Behaviour (for Non-Muslims)	2	0	2	MT-331	Probability & Statistics	3	0	3	
					CF-303 /	Applied Economics for Engineers /	3	0	3	
					CN-223	Fundamentals of Applied Economics for Engineers	3	0	3	
	Civil	12	4	16		Civil	15	3	18	
	Specialization	12	4	16		Specialization	15	3	18	
			-		D YEAR					
	Fall				T	Spring				
Course	Course Title	Cr	edit H	ours	Course	Course Title	Cre	dit Ho	urs	
Code	Course Title	· · ·	cuitii	ouis	Code	course muc	0.0	. 	uis	
couc		Th	Pr	Total	couc		Th	Pr	Total	
CE-320	Reinforced Concrete Design-I	3	0	3	CE-302	Transportation Engineering-I	3	1	4	
CE-321	Construction Engineering	3	0	3	CE-305	Soil Mechanics-I	3	1	4	
CE-321	-	3	0	3	CE-303	3011 Mechanics-1	3	1	4	
CE-323	Quantity & Cost Estimation Fluid Mechanics-II /	3	1	4	CE-314	Structural Analysis-II /	3	0	3	
CN-333	Construction Contracts	3	0	3	CN-331	Construction Jobsite Engineering Management	3	0	3	
MT-443 /	Numerical Analysis /	3	0	3	CE-322 /	Mechanics of Solids-II /	3	0	3	
CN-336	Accounting and Financial	3	0	3	CN-323	Construction Economic Analysis	2	0	2	
	Management					· ·				
AR-309	Architecture and Town Planning	3	0	3	CE-424	Essentials in Construction Project Management	3	0	3	
					CN-433	Introduction to Entrepreneurship and Opportunity Assessment	2	0	2	
	Civil	18	1	19		Civil	15	2	17	
	Specialization	18	0	18		Specialization	16	2	18	
				FINA	L YEAR					
C	Fall				C	Spring	_			
Course	Course Title	Cr	edit H	ours	Course	Course Title	Cre	dit Ho	urs	
Code			-	I =	Code					
CE-403 /	Soil Mechanics-II /	Th 3	Pr 1	Total 4	CE-###	Civil Engineering Elective (3+0 OR	Th 3	Pr 0	Total 3	
CN-428	Sustainable Construction	3	0	3		2+1 OR 1+2)				
CE-432 /	Transportation Engineering-II /	2	0	2	CE-###/	Management Elective /	3	0	3	
CN-435	Systems in Building Construction	3	0	3	CN-429	Building Information Modelling	1	2	3	
CE-418	Hydraulics and Water Resources Engineering-I	3	1	4	CE-###/	Social Science Elective /	2	0	2	
	, , , , , , , , , , , , , , , , , , ,				CN-427	Quality and Safety Aspects in Construction Engineering	2	0	2	
CE-420 /	Reinforced Concrete Design-II /	3	0	3	CE-421	Design of Steel Structures	3	0	3	
CN-416	Legal and Regulatory Environment in the Construction Industry	3	o	3	CN-434	Temporary Structures in Construction	3	0	3	
EN-301	Environmental Engineering-I	2	1	3	EN-401/	Environmental Engineering-II /	2	1	3	
		-	-		CN-436	Heavy Construction Equipment and	3	0	3	
						Operations				
CE-409	Civil Engineering Project*	0	3	3	CE-409	Civil Engineering Project	0	3	3	
	Civil	13	6	19		Civil	13	4	17	
	Specialization	14	5	19		Specialization	12	5	17	

^{*}Duration one academic year: Requires literature survey and preliminary work during this Semester 1 credit hour of theory class = 1 contact hour 1 credit hour of lab / design class / practical = 3 contact hours

List of Elective Courses (more courses may be added as per need):

Elective	Course Code	Title		
	CE-422	Structural Design and Drawing		
	CE-423	Masonry Structures		
	CE-419	Applied Hydraulics		
	CE-426	Building Information Modelling		
Civil Engineering	CE-429	Geo Synthetics and Their Applications		
Elective	CE-431	Geoinformatics Applications		
	CN-430	Disaster and Reconstruction Management		
	CE-433	Coastal and Harbour Engineering		
	CE-438	Hydraulics and Water Resources Engineering – II		
	CN-424	Environmental Issues in Construction		
	CE-425	Modern Aspects of Construction Project Management		
Management	CE-430	Construction Contract Management		
Sciences Elective	CE-434	Procurement Management		
Belefices Elective	CN-432	Leadership and Human Skills in Management		
	CN-423	Management and Marketing of Construction Services		
Social Sciences Elective	CE-427	Introduction to Entrepreneurship and Opportunity Assessment		

List of Specialization in Construction Courses

Elective	Course Code	Title		
	CN-223	Fundamentals of Applied Economics for Engineers		
	CN-333	Construction Contracts		
Specialization Breadth Core	CN-336	Accounting and Financial Management		
breadin Core	CN-331	Construction Jobsite Engineering Management		
	CN-323	Construction Economic Analysis		
	CN-428	Sustainable Construction		
	CN-416	Legal and Regulatory Environment in the Construction Industry		
	CN-435	Systems in Building Construction		
Specialization	CN-429	Building Information Modelling		
Depth Core	CN-427	Quality and Safety Aspects in Construction Engineering		
Bepui core	CN-434	Temporary Structures in Construction		
	CN-436	Heavy Construction Equipment and		
		Operations		
	CN-433	Introduction to Entrepreneurship and Opportunity Assessment		