

Department of Civil Engineering
Scheme of Studies BSc. Civil Engineering – (For Session Fall-18 to Onwards)

Semester 1					Prerequisite
Code	Course	Contact hours		Credit hours	
		Theory	Pract	Total	
QCE-111	Civil Engineering Materials	2	3	3	-----
QIE-112	Basic Electro Mechanical Engineering	2	3	3	-----
QCE-113	Engineering Drawing	2	3	3	-----
QBH-114	Functional English	2	0	2	-----
QNS-115	Applied Calculus	3	0	3	-----
QBH-116	Pakistan Studies	1	0	1	-----
Total Contact Hours		12	9	-	
Total Credit Hours		12	3	15	

Semester 2					Prerequisite
Code	Course	Contact hours		Credit hours	
		Theory	Pract	Total	
QCE-121	Computer Programming	1	3	2	-----
QIE-122	Architecture & Town Planning	2	0	2	-----
QBH-123	Islamic Studies	2	0	2	-----
QNS-124	Engineering Mechanics	3	3	4	-----
QNS-125	Applied Differential Equations	3	0	3	QNS-115
QBH-126	Sociology & Development	2	0	2	-----
Total Contact Hours		13	6	-	
Total Credit Hours		13	2	15	

Semester 3					Prerequisite
Code	Course	Contact hours		Credit hours	
		Theory	Pract	Total	
QCE-231	Engineering Surveying - I	2	3	3	-----
QCE-232	Civil Engineering Drawing & Graphics	1	3	2	QCE-113
QNS-233	Numerical Analysis	3	0	3	-----
QCE-234	Mechanics of Solids-I	2	3	3	QNS-124
QNS-235	Engineering Geology & Seismology	3	0	3	-----
QCE-236	Construction Engineering	3	0	3	-----
Total Contact Hours		14	9	-	
Total Credit Hours		14	3	17	

Semester 4					Prerequisite
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Code	Course	Contact hours		Credit hours	
		Theory	Pract	Total	
QCE-241	Mechanics of Solids-II	3	0	3	QCE-234
QCE-242	Fluid Mechanics - I	3	3	4	-----
QCE-243	Concrete Technology	1	3	2	-----
QCE-244	Soil Mechanics	3	3	4	-----
QCE-245	Engineering Surveying - II	2	3	3	QCE-231
QCE-246	Structural Analysis - I	3	0	3	QNS-124
Total Contact Hours		15	12	-	
Total Credit Hours		15	4	19	

Semester 5					Prerequisite
Code	Course	Contact hours		Credit hours	
		Theory	Pract	Total	
QNS-351	Probability & Statistics	3	3	4	-----
QCE-352	Fluid Mechanics - II	3	3	4	QCE-242
QMS-353	Hazards and Disaster Management	2	0	2	-----
QCE-354	Structural Analysis – II	3	0	3	QCE-246
QBH-355	Business Communication	2	0	2	QBH-114
QCE-356	Geotechnical & Foundation Engineering	3	3	4	QCE-244
Total Contact Hours		16	9	-	
Total Credit Hours		16	3	19	

Semester 6					Prerequisite
Code	Course	Contact hours		Credit hours	
		Theory	Pract	Total	
QMS-361	Engineering Economics & Construction Management	3	3	4	-----
QCE-362	Hydraulics Engineering	3	0	3	QCE-352
QCE-363	Reinforced Concrete Design-I	3	0	3	-----
QCE-364	Transportation Engineering-I	3	0	3	-----
QCE-365	Environmental Engineering- I	2	3	3	-----
QCE-366	Quantity & Estimation	2	3	3	-----
Total Contact Hours		16	9	-	
Total Credit Hours		16	3	19	

Semester 7				Prerequisite
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Code	Course	Contact hours		Credit hours	
		Theory	Pract	Total	
QCE-471	Reinforced Concrete Design-II	3	3	4	QCE-363
QCE-472	Transportation Engineering-II	3	3	4	QCE-364
QCE-473	Environmental Engineering -II	2	3	3	QCE-365
QCE-474	Structural Dynamics & Earthquake Engineering	2	0	2	-----
QBH-475	Professional Ethics	2	0	2	-----
QCE-476	Civil Engineering Project	0	9	3	-----
QCE-477	Chinese Language (optional)	0	0	0	-----
Total Contact Hours		12	18	-	
Total Credit Hours		12	6	18	

Semester 8					
Code	Course	Contact hours		Credit hours	Prerequisite
		Theory	Pract	Total	
QNS-481	Geo Informatics	1	3	2	QCE-245
QCE-482	Steel Structures	3	0	3	-----
QCE-483	Irrigation Engineering	2	0	2	QCE-352
QCE-484	Engineering Hydrology	3	0	3	
QMS-485	Entrepreneurship	2	0	2	-----
QCE-486	Civil Engineering Project	0	9	3	-----
Total Contact Hours		11	12	-	
Total Credit Hours		11	4	15	

Total Credit Hours	137
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