

Program Curriculum (Fall-2020 & Onward Intake Batches)

BSc Civil Engineering Technology

Sr. No.	Course Code	Course Title	Credit Hours	
			Theory	Lab
Semester # 1				
1	NS-113	Applied Mathematics-I	3	0
2	CS-112	Computer Fundamentals	1	1
3	MS-112	Occupational Health & Safety Management	2	0
4	CT-113	Civil Engineering Drawing	1	2
5	CT-124	Surveying	2	2
6	HU-122	Islamic Studies / Professional Ethics	2	0
Total			11	5
Total Credit Hours for Semester (Theory + Lab)			16	
Semester # 2				
1	NS-133	Applied Mathematics–II	3	0
2	CT-144	Applied Mechanics	2	2
3	HU-132	Pakistan Studies	2	0
4	CT-154	Materials and Methods of Construction	2	2
5	CT-134	Concrete Technology	2	2
6	HU-141	Teaching of Holy Quran Translation-I / Ethics	0	1
Total			11	7
Total Credit Hours for Semester (Theory + Lab)			18	
Semester # 3				
1	CT-212	Introduction to Architecture and Town Planning	2	0
2	HU-162	Communication Skills	2	0
3	CT-223	Quantity Surveying and Contract Documents	1	2
4	CT-233	Soil Mechanics	2	1
5	CT-243	Fluid Mechanics	2	1
6	CT-254	Mechanics of Solids	2	2
Total			11	6
Total Credit Hours for Semester (Theory + Lab)			17	
Semester # 4				
1	CT-264	Transportation Engineering	2	2
2	CT-274	Water Supply & Waste Water Management	2	2
3	CM-213	Environmental Management	2	1
4	CT-283	Theory of Structures	2	1
5	HU-222	Technical Report Writing	2	0
6	HU-211	Teaching of Holy Quran Translation-II / Ethics	0	1
7	HU-151	Basic Chinese Language	0	1
Total			10	8
Total Credit Hours for Semester (Theory + Lab)			18	

Sr. No.	Course Code	Course Title	Credit Hours	
			Theory	Lab
Semester # 5				
1	CT-313	Hydrology	2	1
2	CT-323	Reinforced Concrete Structures	2	1
3	CT-333	Construction and Hydraulic Machinery	2	1
4	CT-343	Computer Aided Building Modeling and Design	1	2
5	CT-353	Foundations Engineering	2	1
6	MS-323	Project Management	2	0
7	CT-363	Project-I	0	3
Total			11	9
Total Credit Hours for Semester (Theory + Lab)			20	
Semester # 6				
1	CT-373	Pre-Stressed & Precast Concrete	2	1
2	CT-383	Geology & Earthquake Engineering	2	1
3	CT-393	Irrigation and Hydraulic Structures	2	1
4	CT-3103	Steel Structures	2	1
5	CT-3113	Civil Engineering Construction Technology	1	2
6	HU-311	Teaching of Holy Quran Translation-III / Ethics	0	1
7	CT-3123	Project-II	0	3
Total			9	10
Total Credit Hours for Semester (Theory + Lab)			19	
Semester # 7				
1	CT4116	16 Weeks Supervised Industrial / Field Training (8x5=40 hrs. / Week)	0	16
Total Credit Hours for Semester (Theory + Lab)			16	
Semester # 8				
1	CT4216	16 Weeks Supervised Industrial / Field Training (8x5=40 hrs. / Week)	0	16
Total Credit Hours for Semester (Theory + Lab)			16	
Total Credit Hours (Theory + Lab) = (63 + 77) = 140				