

**Curriculum of BSc Civil Engineering Technology (Intake Session  
Fall-2023 & Onwards)**

Sr. No.	Course Code	Subject	Credit Hours		Subject Domain
			Theory	Lab	
<b>Semester # 1</b>					
1	NSC-111	Applied Mathematics-I	3	0	Natural Sciences
2	HUM-111	Pakistan Studies	2	0	Arts & Humanities
3	NSC-112	Fundamentals of Applied Economics	2	0	Natural Sciences
4	CCE-111	Civics and Community Engagement	2	0	Civics and Community Engagement
5	HUM-112	Teaching of Holy Quran Translation-I / Ethics	1	0	Arts & Humanities
6	CET-111	Civil Engineering Drawing, Drafting and Interpretation	1	0	Civil Engineering Technology Foundation-I
	CET-111-L		0	2	
7	CET-112	Surveying	1	0	Civil Engineering Technology Foundation-II
	CET-112-L		0	2	
			<b>12</b>	<b>4</b>	
<b>Total Credit Hours (Contact Hours) = 16 (24)</b>					
<b>Semester # 2</b>					
1	NSC-121	Applied Mathematics-II	3	0	Natural Sciences
2	HUM-121	Islamic Studies/Social Ethics	2	0	Arts & Humanities
3	COM-121	Introduction to Computer Programing	1	0	Computing
	COM-121-L		0	2	
4	CET-121	Applied Mechanics	2	0	Civil Engineering Technology Foundation-III
	CET-121-L		0	1	
5	CET-122	Concrete Technology	1	0	Civil Engineering Technology Foundation-IV
	CET-122-L		0	2	
6	CET-123	Materials and Methods of Construction	2	0	Civil Engineering Technology Foundation-V
	CET-123-L		0	1	
			<b>11</b>	<b>6</b>	
<b>Total Credit Hours (Contact Hours) = 17 (29)</b>					
<b>Semester # 3</b>					
1	HUM-211	Functional English	3	0	Arts & Humanities
2	HUM-212	Professional Ethics	2	0	Arts & Humanities
3	HUM-213	Teaching of Holy Quran Translation-II / Ethics	1	0	Arts & Humanities
4	IDT-211	Evolution of Architecture and Engineering	2	0	Inter Disciplinary-I
5	CET-211	Fluid Mechanics	2	0	Civil Engineering Technology Foundation-VI
	CET-211-L		0	1	
6	CET-212	Soil Mechanics	2	0	Civil Engineering Technology Foundation-VII
	CET-212-L		0	2	

Sr. No.	Course Code	Subject	Credit Hours		Subject Domain
			Theory	Lab	
7	CET-213	Mechanics of Solids	2	0	Civil Engineering Technology Foundation-VIII
	CET-213-L		0	1	
			<b>14</b>	<b>4</b>	
<b>Total Credit Hours (Contact Hours) = 18 (26)</b>					
<b>Semester # 4</b>					
1	HUM-221	Communication Skills	3	0	Arts & Humanities
2	HUM-222	Basic Chinese Language	1	0	Arts & Humanities
	HUM-222-L		0	1	
3	HUM-223	Human Skills	2	0	Arts & Humanities
4	IDT-221	Electro-Mechanical Technology	2	0	Inter Disciplinary-II
5	CET-221	Environmental Technology	2	0	Civil Engineering Technology Foundation-IX
	CET-221-L		0	1	
6	CET-222	Transportation and Highway Technology	2	0	Civil Engineering Technology Breadth-I
	CET-222-L		0	2	
7	CET-223	Structural Principles	2	0	Civil Engineering Technology Breadth-II
			<b>14</b>	<b>4</b>	
<b>Total Credit Hours (Contact Hours) = 18 (26)</b>					
<b>Semester # 5</b>					
1	HUM-311	Teaching of Holy Quran Translation-III / Ethics	1	0	Arts & Humanities
2	CET-311	Hydrology	1	0	Civil Engineering Technology Depth-I
	CET-311-L		0	1	
3	CET-312	Reinforced and Prestressed Concrete	2	0	Civil Engineering Technology Depth-II
	CET-312-L		0	1	
4	CET-313	Construction Equipment and Jobsite Practices	2	0	Civil Engineering Technology Breadth-III
	CET-313-L		0	1	
5	CET-314	Quantity Surveying and Estimation	1	0	Civil Engineering Technology Depth-III
	CET-314-L		0	2	
6	CET-315	Maintenance and Repair of Civil Works	1	0	Civil Engineering Technology Breadth-IV
	CET-315-L		0	1	
7	CET-316-L	Project Part-I	0	3	Civil Engineering Technology Depth-IV
			<b>8</b>	<b>9</b>	
<b>Total Credit Hours (Contact Hours) = 17 (35)</b>					
<b>Semester # 6</b>					
1	CET-321	Geology & Earthquake Engineering	1	0	Civil Engineering Technology Breadth-V
	CET-321-L		0	1	
2	CET-322	Irrigation Technology	3	0	Civil Engineering Technology Depth-V
3	CET-323	Construction of Steel Structures	2	0	Civil Engineering Technology Depth-VI
	CET-323-L		0	1	
4	CET-324	Geotechnical Site Investigation and Foundations	1	0	Civil Engineering Technology Depth-VII
	CET-324-L		0	1	
5	CET-325	Computer Aided Building Modeling and Design	1	0	Civil Engineering Technology Depth-VIII
	CET-325-L		0	2	
6	MGM-321	Technopreneurship	2	0	Management Science

Sr. No.	Course Code	Subject	Credit Hours		Subject Domain
			Theory	Lab	
7	CET-326-L	Project Part-II	0	3	Civil Engineering Technology Depth-IX
			<b>10</b>	<b>8</b>	
<b>Total Credit Hours (Contact Hours) = 18 (34)</b>					
<b>Semester # 7</b>					
1	CET-411	Supervised Industrial Training	0	16	Civil Engineering Technology Domain Industrial Training
<b>Total Credit Hours (Contact Hours) = 16 (40)</b>					
<b>Semester # 8</b>					
1	CET-421	Supervised Industrial Training	0	16	Civil Engineering Technology Domain Industrial Training
<b>Total Credit Hours (Contact Hours) = 16 (40)</b>					
<b>Grand Total of Credit Hours (Contact Hours) = 69 (69) (Theory) + 35 (105) (Lab) + 32 (80) (SIT) = 136 (254)</b>					

