

**Department of Civil Engineering Technology**  
**Scheme of Studies**

**1<sup>st</sup> Semester**

S/N	Course Code	Subject	Nature	Credit Hours	
				Theory	Practical
1	CT-113	Civil Engineering Drawing	Engineering Foundation	1	2
2	CT-122	Introduction to Architecture and Town Planning	Engineering Foundation	2	0
3	CS-113	Applied Mathematics-I	Natural Sciences	3	0
4	CS-122	Introduction to Computer Fundamentals	Computer Science	1	1
5	CH-112	Islamic Studies/Professional Ethics	Humanities	2	0
6	CH-122	Pakistan Studies	Humanities	2	0
7	CM-112	Occupational Health & Safety Management	Management Science	2	0
<b>Sub Total</b>				<b>13</b>	<b>3</b>
<b>Total</b>				<b>16</b>	

**2<sup>nd</sup> Semester**

S/N	Course Code	Subject	Nature	Credit Hours	
				Theory	Practical
1	CT-134	Concrete Technology	Engineering Foundation	2	2
2	CT-143	Applied Mechanics	Engineering Foundation	2	1
3	CT-154	Materials and Methods of Construction	Engineering Foundation	2	2
4	CS-133	Applied Mathematics-II	Natural Science	3	0
5	CH-133	Communication Skills	Humanities/English	3	0
<b>Sub Total</b>				<b>12</b>	<b>5</b>
<b>Total</b>				<b>17</b>	

**3<sup>rd</sup> Semester**

S/N	Course Code	Subject	Nature	Credit Hours	
				Theory	Practical
1	CT-214	Surveying	Engineering Foundation	2	2
2	CT-224	Quantity Surveying and Contract Documents	Engineering Foundation	2	2
3	CT-234	Soil Mechanics	Major Based Breadth	2	2
4	CT-243	Fluid Mechanics	Major Based Breadth	2	1
5	CT-254	Mechanics of Solids	Major Based Breadth	2	2
<b>Sub Total</b>				<b>10</b>	<b>9</b>
<b>Total</b>				<b>19</b>	

**4<sup>th</sup> Semester**

S.N	Course Code	Subject	Nature	Credit Hours	
				Theory	Practical
1	CT-264	Transportation Engineering	Major Based Breadth	2	2
2	CT-273	Water Supply & Waste Water Management	Major Based Breadth	2	1
3	CT-283	Theory of Structures	Major Based Depth	2	1
4	CM-213	Environmental Management	Management Sciences	2	1
5	CH-213	Technical Report Writing	Humanities/English	3	0
<b>Sub Total</b>				<b>11</b>	<b>5</b>
<b>Total</b>				<b>16</b>	

5 <sup>th</sup> Semester					
S/N	Course Code	Subject	Nature	Credit Hours	
				Theory	Practical
1	CT-313	Hydrology	Major Based Breadth	2	1
2	CT-324	Reinforced Concrete Structures	Major Based Breadth	2	2
3	CT-333	Construction and Hydraulic Machinery	Major Based Depth	2	1
4	CT-343	Engineering Geology	Major Based Depth	2	1
5	CM-313	Project Management	Management Science	3	0
Sub Total				11	5
Total				16	
6 <sup>th</sup> Semester					
S/N	Course Code	Subject	Nature	Credit Hours	
				Theory	Practical
1	CT-353	Irrigation and Hydraulic Structures	Major Based Depth	2	1
2	CT-364	Foundation Engineering	Major Based Depth	2	2
3	CT-373	Steel Structures	Major Based Depth	2	1
4	CT-3103	Project	Major Based Depth	0	3
Sub Total				6	7
Total				13	
6 <sup>th</sup> Semester Third Year Summer Project Work					
S/N	Course Code	Subject	Credit Hours		
			Theory	Practical	
1	CT-3113	Project (Continue)	0	3	
Sub Total				0	3
Grand Total				3	
7 <sup>th</sup> Semester Fourth Year					
S.N	Course Code	Subject	Credit Hours		
			Theory	Practical	
1	CT-4116	16 Weeks Supervised Industrial / Field Training (8x5=40 hrs / Week)	0	16	
Sub Total				0	16
Total				16	
8 <sup>th</sup> Semester Fourth Year					
S/N	Course Code	Subject	Credit Hours		
			Theory	Practical	
1	CT-4216	16 Weeks Supervised Industrial / Field Training (8x5=40 hrs / Week)	0	16	
Sub Total				0	16
Total				16	