

Department of Civil Engineering

0278 B.Sc. Civil Engineering Technology

Shift : Afternoon

Duration : 4 Years, 8 Semesters, 138 Credit Hours

Eligibility : DAE (Civil) or equivalent with at least 50% marks from any recognized Board

1st Semester

Course	Course Title	Credit Hours
CT-101	Material & Methods of Constructions	2
CT-101(L)2	Material & Methods of Constructions	2
CT-102(1)	Civil Engineering Drawing	1
CT-102(L)3	Civil Engineering Drawing	3
CT-107	Applied Mechanics	2
CT-107(L)	Applied Mechanics	2
MTS-121	Applied Mathematics-I	3
HUM-101(2)	Islamic Studies	2

2nd Semester

Course	Course Title	Credit Hours
CT-103	Concrete Technology	2
CT-103(L)2	Concrete Technology	2
CT-109	Engineering Surveying	2
CT-109(L)	Engineering Surveying	2
CT-208	Quantity Surveying & Contract Documents	1
CT-208(L)	Quantity Surveying & Contract Documents	3
MTS-124	Applied Mathematic - II	3
HUM-102(1)	Pakistan Studies	1
ENG-115	English Language Skills	2

3rd Semester

Course	Course Title	Credit Hours
CT-203	Soil Mechanics	2
CT-203(L)2	Soil Mechanics	2
CT-205(2)	Fluid Mechanics	2
CT-205(L)2	Fluid Mechanics	2
CT-207	Mechanics of Solid	2
CT-207(L)	Mechanics of Solid	2
CSC-118(2)	Computer Applications	2
CSC-118(L)	Computer Applications	2
CT-206-(1)	Occupational Health & Safety	1

4th Semester

Course	Course Title	Credit Hours
CT-209	Theory of Structure	2
CT-209(L)	Theory of Structure	1
CT-308(2)	Water Supply & Waste Water Management	2
CT-308(L)	Water Supply & Waste Water Management	2
CT-309	Highway & Transportation Technology	2
CT-309(L)2	Highway & Transportation Technology	2
CT-402	Environmental Management	2
CT-402(L)2	Environmental Management	2
ENG-305	Technical Communication Skills	2

5th Semester

Course	Course Title	Credit Hours
CT-310	Reinforced Concrete Structures	2
CT-310(L)	Reinforced Concrete Structures	2
CT-313	Foundation Engineering	2
CT-313(L)	Foundation Engineering	1
CT-405	Hydrology	2
CT-405(L)	Hydrology	2
CT-312	Computer Aided Building Modeling and Design	1
CT-312(L)	Computer Aided Building Modeling and Design	3
CT-311	Construction in Hydraulic Machinery	2
CT-311(L)	Construction in Hydraulic Machinery	1

6th Semester

Course	Course Title	Credit Hours
CT-306	Steel Structures	2
CT-306(L)	Steel Structures	1
CT-406	Pre-Stressed & Precast Concrete Engineering	2
CT-406(L)	Pre-Stressed & Precast Concrete Engineering	1
CT-314	Geology and Earthquake Engineering	2
CT-314(L)	Geology and Earthquake Engineering	1
CT-304	Irrigation and Hydraulic Structures	2
CT-304(L)	Irrigation and Hydraulic Structures	1
CT-410	Project Management	2
CT-410(L)	Project Management	1

7th Semester

Course	Course Title	Credit Hours
CT-499	Project	2
CT-411	Professional Supervised Field Training	16

8th Semester

Course	Course Title	Credit Hours
CT-499	Project	2
CT-411	Professional Supervised Field Training	16