

Department of Civil Engineering

0252 B.Sc. Civil Engineering

Shift : Morning
Duration : 4 years, 8 semesters, 139 credit hours
Eligibility : F.Sc. (Pre-Engineering) / DAE (Civil) or equivalent with at least 60% marks from any recognized Board and Entrance Test conducted by Educational Testing & Evaluation \ Agency (ETEA)

1st Semester

Course	Course Title	Credit Hours
CE-101	Civil Engg. Materials & Concrete Tech.	2
CE-101 (L)	Civil Engg. Materials & Concrete Tech.	1
CE-102	Basic Electro-Mechanical Engineering	3
CE-102 (L)	Basic Electro-Mechanical Engineering	1
CE-103	Engineering Drawing	2
CE-103 (L)	Engineering Drawing	2
ENG-115	English Language skills	2
MTS-118	Applied Calculus/Math-I	3
HUM-101	Islamic Studies*	2

3rd Semester

Course	Course Title	Credit Hours
CSC-220	Computer Application in Civil Engr.	1
CSC-220(L)	Computer Application in Civil Engr.	2
CE-202	Advanced Engineering Surveying	2
CE-202 (L)	Advanced Engineering Surveying	2
CE-203	Mechanics of Solids-I	2
CE-203 (L)	Mechanics of Solids-I	1
ECO-303(2)	Engineering Economics	2
MTS-305	Numerical Analysis	3

5th Semester

Course	Course Title	Credit Hours
CE-301	Advanced Fluid Mechanics	3
CE-301(L)	Advanced Fluid Mechanics	1
ENG-305	Effective Business Communication	2
CE-302	Structural Analysis-II	3
CE-303	Soil Mechanics-I	3
CE-303(L)	Soil Mechanics-I	1
CE-401	Environmental Engineering-I	3
CE-401(L)	Environmental Engineering-I	1
CE-409	Disaster Management	2

7th Semester

Course	Course Title	Credit Hours
CE-306	Construction Management	3
CE-402	Pain & Reinforced Concrete-II	3
CE-402(L)	Pain & Reinforced Concrete-II	1
CE-403	Quantity Surveying & Estimation	2
CE-403(L)	Quantity Surveying & Estimation	1
CE-404	Highway & Traffic Engineering	3
CE-404(L)	Highway & Traffic Engineering	1
CE-499	Civil Engineering Project	3
ENG-305	Technical Report Writing	1

2nd Semester

Course	Course Title	Credit Hours
CE-104	Engineering Surveying	2
CE-104 (L)	Engineering Surveying	1
CE-105	Engineering Geology	3
HUM-102	Pakistan Studies*	1
CE-106	Engineering Mechanics	3
CE-106 (L)	Engineering Mechanics	1
MTS-119	Differential Equation/Math-II	3
HUM-108	Professional Ethics	2

4th Semester

Course	Course Title	Credit Hours
CE-204	Mechanics of Solids-II	2
CE-204(L)	Mechanics of Solids-II	1
CE-205	Structural Analysis-I	3
MTS-307	Probability & Statistics/ Math IV	3
CE-206	Fluid Mechanics-I	3
CE-206(L)	Fluid Mechanics-I	1
CE-305	Architecture & Town Planning	3
CE-304	Construction Engineering	2
CE-304(L)	Construction Engineering	1

6th Semester

Course	Course Title	Credit Hours
CE-309	Geotechnical & Foundation Engg.	3
CE-309(L)	Geotechnical & Foundation Engg.	1
CE-307	Transportation Planning & Engg.	3
CE-308	Hydrology & Water Resource Mgt.	3
CE-308(L)	Hydrology & Water Resource Mgt.	1
CE-310	Plain & Reinforced Concrete-I	3
CE-310(L)	Plain & Reinforced Concrete-I	1
CE-406	Environmental Engineering-II	2
MGT-302(2)	Entrepreneurship	2

8th Semester

Course	Course Title	Credit Hours
CE-201	Civil Engg. Drawing & Graphics	1
CE-201 (L)	Civil Engg. Drawing & Graphics	2
CE-405	Geo Informatics	1
CE-405 (L)	Geo Informatics	1
CE-407	Steel Structures & Structure Dynamics	3
CE-408	Hydraulics & Irrigation Engineering	3
CE-408 (L)	Hydraulics & Irrigation Engineering	1
CE-499	Civil Engineering Project	3

Note : Pre-requisite for the award of degree :

The B.Sc Civil Engineering (programme students shall complete 6 to 8 weeks Internship & Survey in an organization acceptable to the university and shall get an internship letter from the concerned organization. The students who are already in service shall be exempted from Internship.