

Short Descriptions of Course s for the BSc of CE Program

Course Code	Course Name	Course Code	Course Name
GE 201	Statics	CE 418	Structural Analysis – 3
GE 202	Dynamics	CE 443	Design of Pavement
CE 202	Mechanics of Materials	CE 448	Construction and maintenance of Highways
CE 205	Properties of Structural Materials	CE 453	Advanced Geotechnical Engineering
CE 206	Structural Analysis – 1	CE 457	Open Channel Hydraulics
CE 212	Plane Surveying	CE 458	Design of Water Structures
CE 230	Fluid Mechanics	CE 459	Groundwater Hydrology
CE 231	Fluid Mechanics Laboratory	CE 462	Engineering Surveying
CE 306	Structural Analysis - 2	CE 468	Rock Mechanics
CE 307	Properties and Testing of Concrete	CE 469	Applications in Foundation Engineering
CE 318	Design of Reinforced Concrete Structures	CE 474	Design and Operation of Water and Wastewater Treatment Plants
CE 320	Construction Engineering	CE 475	Environmental Engineering
CE 330	Hydraulics	CE 490	Selected Topics in Civil Engineering
CE 331	Hydrology	CE 491	Senior Design Project - 1
CE 343	Transportation and Traffic Engineering	CE 492	Senior Design Project- 2
CE 353	Geotechnical Engineering	CHEM 111	General Chemistry
CE 354	Geotechnical Engineering Laboratory	CSC 209	Computer Programming
CE 363	Foundation Engineering	GE 104	Basics of Engineering Drawing
CE 370	Water and Wastewater Engineering	GE 105	Basics of Engineering and Technology
CE 375	Steel Structures Design	GE 211	Introduction to Engineering Design-I
CE 447	Highway Engineering	GE 213	Introduction to Engineering Design-II
ME 327	Building Thermal Loads	MGMT 402	Project Management
GEO 285	Engineering Geology	MGMT 411	Development of Management skills
CE 317	Computer Applications	GE 412	Value Engineering
CE 401	Concrete Technology	GE 406	Summer Training
CE 403	Advanced Reinforced Concrete Design	ECON 401	Engineering Economy
CE 412	Advanced Steel Design	MATH 106	Integral Calculus

MATH 107	Linear Algebra& Analytic Geometry		
MATH 203	Differential and Integral Calculus		
MATH 208	Differential Equations		
STAT 328	Probabilities and statistics		
MATH 244	Linear Algebra		
MATH 254	Numerical Methods		
MATH 328	Applied Operation Research		
PHYS 131	General Physics		