



First: University Requirements (25 Credit Hours)

Course	Code	C.H	Pre-Requisites
Skills of Holy Quran Recitation and Tajweed	BUST01	1	-
English Language (1)	BUST02	4	-
Arabic Language	BUST03	4	-
Leadership Skills Development	BUST04	1	-
Islamic Culture	BUST05	4	-
English Language (2)	BUST06	4	BUST02
Communication Skills	BUST07	1	-
Critical Thinking	BUST08	1	-
Computer Skills	BUST09	3	-
Research Methodology	BUST10	2	BUST03,06 BENG05

Second: Faculty Requirements (19 Credit Hours)

Course	Code	C.H	Pre-Requisites
Mathematics	BENG01	3	-
Engineering Drawing	BENG02	3	-
Physics	BENG03	4	-
Calculus	BENG04	3	BENG01
Statistics & Probability	BENG05	3	BENG01
Engineering Mechanics	BENG06	3	BENG03

Third: Department Requirements (64 Credit Hours)

Course	Code	C.H	Pre-Requisites
Differential Equations	BCV01	3	BENG04
Surveying (1)	BCV02	4	BENG01
Arch. Engineering + CAD	BCV03	3	BENG02
Engineering Geology	BCV04	2	-
Structural Analysis (1)	BCV05	3	BCV01,07
Linear Algebra	BCV06	3	BENG01
Strength of Materials	BCV07	4	BENG06
Fluid Mechanics	BCV08	4	BENG06
Construction Contracts and Cost Estimation	BCV09	2	BCVG22
Structural Analysis (2)	BCV10	3	BCV05
Reinforced Concrete (1)	BCV11	3	BCV05
Civil Drawing	BCV12	3	BCV03

Cont. Department Requirements

Course	Code	C.H	Pre-Requisites
Traffic Engineering and Transportation Planning	BCV13	3	BCVG23
Highway Engineering	BCV14	4	BCV13
Steel Structures	BCV15	3	BCV10
Reinforced Concrete (2)	BCV16	3	BCV10,11
Sanitary Engineering	BCV17	4	BCVG25
Computer Applications Specialist	BCV18	2	BCV03,10,11 BUST09
Foundation Engineering	BCV19	3	BCV16, BCVG27
Engineering Economy	BCV20	2	BENG01
Chemistry	BCV21	3	-

Fourth: Program Requirements

A. Compulsory Program Requirements (29 Credit Hours)

Course	Code	C.H	Pre-Requisites
Building Materials	BCVG22	3	BENG01
Surveying (2)	BCVG23	4	BCV02
Electricity Buildings	BCVG24	2	BENG01,03
Hydraulics	BCVG25	4	BCV08
Soil Mechanics (1)	BCVG26	4	BCV04, BENG06
Soil Mechanics (2)	BCVG27	3	BCVG26
Reinforced Concrete (3)	BCVG28	3	BCV16
Project (1)	BCVG29	2	BCV06,09,12,14, 15,16,17,18 BCVG24,27
Construction Management	BCVG30	2	BCV09
Project (2)	BCVG31	2	BCV06,09,12,14, 15,16,17,18 BCVG24,27

B. Elective Program Requirements (6 Credit Hours)

Course	Code	C.H	Pre-Requisites
Advanced Steel Structures	BCVL32	3	BCV15
Advanced Highway Engineering	BCVL33	3	BCV14
Structural of Hydraulics	BCVL34	3	BCV17
Bridges Engineering	BCVL35	3	BCV15,16
Design of Special Structural	BCVL36	3	BCVG28
Advanced Foundation	BCVL37	3	BCV19

