

Course No.	Course Title	CR.H.	Prereq.	0111220	Geology	3	0201100
First: General University Education (33) CR.H.				Course No.	Course Title	CR.H.	Prereq.
(1) Compulsory Courses (27) CR.H.				0111230	Surveying	3	0107104
0102120	Computer Skills	3		0111231	Surveying Lab	1	0111230
0201111	Science and Life	3		0111310	Construction Materials	3	0201100 & 0111211
0401120	English I	3		0111311	Materials Lab	1	0111310
0401121	English 2	3	0401120	0111312	Structural analysis	3	0111211
0405100	Arabic Language	3		0111313	Design of Steel Structures	3	0111312
0406110	Islamic Culture	3		0111320	Geotechnical Engineering	3	0111220 & 0111211
0408100	Introduction to Psychology	3		0111321	Geotechnical Engineering Lab	1	0111320
0501170	Fund.of Innovation and Entrepreneurship	3		0111330	Transportation Engineering	3	0111230
0508203	Scientific Research Methodology	3		0111340	Fluid Mechanics	3	0111210 & 0107104
(2) Elective Courses (6) CR.H.				0111341	Fluid Mechanics and Hydraulics	1	0111340 & 0111210 & 0107104
The Student is required to choose <u>Only One</u> course from each of the following groups:				0111410	Reinforced Concrete Design I	3	0111312
(a) Society and Civilization (3) CR.H.				0111420	Foundations Engineering	3	0111321 & 0111320
0406100	Arabs & Muslims' Contributions to Arts & Sciences	3		0111430	Highway Engineering	3	0111330 & 0111231 & 0111230
0408101A	Physical Education & Health	3		0111440	Environmental Engineering	3	0201100 & 0108103
0409100	Ethical Awareness	3		0111441	Environmental Engineering Lab	1	0111440
0409101	Arab Society	3		0111442	Water Resources Engineering	3	0111341 & 0111340 & 0107101
0409102	Environmental Awareness	3		0111450	Engineering Economics	3	0107202 & 0102220
(b) Managerial Skills (3) CR.H.				0111550	Construction Management	3	0111450
0303100	Law and Society	3		(2) Elective Courses (6) CR.H.			
0408103	Thinking Skills	3		0111510	Pre-stressed Concrete Design	3	0111312
0408104	Self Assessment	3		0111511	Reinforced Concrete Design II	3	0111410
0501100	Introduction to Time Management	3		0111512	Bridge Engineering	3	0111410 & 0111313
0501150	Leadership and Teamwork	3		0111520	Advanced Geotechnical Engineering	3	0111420 & 0111220 & 0111212 & 0107201
Second: Compulsory College Requirements (21) CR.H.				0111530	Geographic information system GIS	3	0111231 & 0111230
0102220	Introduction to Programming	3	0102120	0111540	Waste Water Engineering	3	0111441 & 0111440
0107101	Calculus 1	3		0111541	Air Pollution Engineering	3	0111441 & 0111440
0107102	Linear Algebra	3	0107101	0111551	Project Management	3	0111550
0107103	Probability Theory and Statistics	3	0107101	0111581	Special topics in civil engineering	3	
0107201	Introduction to Numerical Methods	3	0107104 & 0107102	Third: Specialization on Course (75) CR.H.			
0108103	Physics I	3		(1) Compulsory Courses (69) CR.H.			
0201100	Chemistry	3		0107202	Engineering Math	3	0107104
Fourth: Compulsory Supporting Courses (4) CR.H.				0108104	Physics I Lab	1	0108103
0107104	Calculus 2	3	0107101	Fifth: Internship (3) CR.H.			
0108203	Physics 2	3	0108103	0111480	Internship	3	>= 75 CR.H.
0108204	Physics II Lab	1	0108203	CR.H.Sixth: Capstone Project (4)			
0111200	Computer Aided analysis and Design	3	0102220	0111590	Capstone Project I	1	
0111210	Statics	3	0108103	0111591	Capstone Project II	3	0111590
0111211	Mechanics of Materials	3	0111210				
0111212	Dynamics	3	0111210				