

LEVEL 1					
Course Code	Title	Credit	Hours	Pre-requisite	Co-requisite
MATH 1050	Differential Calculus	3	(3,2,0)		
ENGL 1210	Reading Skills	3	(3,3,0)		
ENGL 1220	Writing Skills	3	(3,3,0)		
IC101	Introduction to Islamic Culture	2	(2,0,0)		
PHYS1010	General Physics (I)	4	(3,1,1)		
Total		15	(14,9,1)		
Level 2					
Course Code	Title	Credit	Hours	Pre-requisite	Co-requisite
ENGL1230	Conversation and listening skills	3	(3,3,0)		
ARAB101	Language Skills	2	(2,0,0)		
MATH1060	Integral Calculus	3	(3,2,0)	MATH 1050	
CT1400	Computer Skills	3	(2,0,1)		
MC1400	Communications Skills	2	(2,0,0)		
ENGL1604	English for Technical Purposes	3	(3,3,0)		
Total		16	(15,8,1)		
Level 3					
Course Code	Title	Credit	Hours	Pre-requisite	Co-requisite
CHEM 1010	General Chemistry	4	(3,1,1)		
PHYS 1040	General Physics (II)	4	(3,1,1)	PHYS 1010	
GEU 1011	Introduction to Engineering	2	(2,1,0)		
MATH 1070	Algebra & Analytic Geometry	3	(3,1,0)	MATH 1050	
GEU 1090	Computer Programming in Engineering	3	(1,0,2)		
ISL 102	Islamic and Building of Society	2	(2,0,0)		
Total		18	(14,4,4)		
Level 4					
Course Code	Title	Credit	Hours	Pre-requisite	Co-requisite
GEU 3201	Engineering Statistics	3	(3,1,0)	MATH 1060	
CE 1021	Engineering Drawing and Graphics	3	(2,0,1)		

MATH 2030	Differential and Integral Calculus	3	(3,1,0)	MATH 1060 MATH 1070	
GEU 2610	Engineering Professional Communications	2	(1,0,1)	ENGL 1210	
GEU 2010	Statics	3	(3,1,0)	PHYS 1040 MATH 1060 MATH 1070	
CE 2810	Geology for Engineers	2	(2,1,0)		
Total		16	(14,4,2)		
Level 5					
<i>Course Code</i>	<i>Title</i>	<i>Credit</i>	<i>Hours</i>	<i>Pre-requisite</i>	<i>Co-requisite</i>
IC 103	Economic System in Islam	2	(2,0,0)		
ARAB 103	Arabic Editing	2	(2,0,0)		
MATH 2040	Differential Equations	3	(3,1,0)	MATH 2030	
GEU 2020	Dynamics	3	(3,1,0)	GEU 2010	
CE 2311	Surveying	2	(2,1,0)	MATH 1070	
CE 2321	Surveying Laboratory	1	(0,0,1)		CE 2311
CE 3020	Mechanics of Materials	3	(3,1,0)	GEU 2010	
CE 3331	Transportation Systems	2	(2,1,0)	GEU 3201	
Total		18	(17,5,1)		
Level 6					
Course Code	Title	Credit	Hours	Pre-requisite	Co-requisite
CE 3210	Fluid Mechanics	3	(3,1,0)	GEU 2020 MATH 2040	
CE 3231	Fluid Mechanics and Hydraulics Laboratory	1	(0,0,1)		CE 3210
CE 3511	Concrete Technology and Materials of Construction	3	(3,1,0)	CE 2810	
CE 3521	Concrete Technology and Materials of Construction Laboratory	2	(0,0,2)		CE 3511
CE 3610	Structural Analysis I	3	(3,1,0)	CE 3020	
CE 4170	Construction Equipment and Methods	3	(3,1,0)		
CE 4830	Geotechnical Engineering I	2	(2,1,0)	CE 2810	
CE 4841	Geotechnical Engineering Laboratory	1	(0,0,1)		CE 4830
Total		18	(14,5,4)		
Level 7					
Course Code	Title	Credit	Hours	Pre-requisite	Co-requisite
IC 104	Principles of Political System in Islam	2	(2,0,0)		
CE 3310	Hydrology	2	(2,1,0)	GEU 3201	
CE 3350	Highway and Traffic Engineering	3	(3,1,0)	CE 2311 CE 3331	
CE 4610	Structural Analysis II	3	(3,1,0)	CE 3610	

CE 4710	Reinforced Concrete I	3	(3,1,0)	CE 3610 CE 3511	
CE 4850	Geotechnical Engineering II	2	(2,1,0)	CE 4830	
GEU 3010	Numerical Computing for Engineering	3	(2,1,1)	MATH 2040	
Total		18	17,6,1)		
Level 8					
Course Code	Title	Credit	Hours	Pre-requisite	Co-requisite
CE 3222	Hydraulics	2	(2,1,0)	CE 3210	
CE 4311	Pavement Materials and Design	2	(2,1,0)	CE 3350	
CE 4321	Highway Engineering Laboratory	1	(0,0,1)		CE 4311
CE 4851	Foundation Engineering	3	(3,1,0)	CE 4850	
CE 4720	Reinforced Concrete II	3	(3,1,0)	CE 4610 CE 4710	
CE 4730	Steel Structures	3	(3,1,0)	CE 4610	
CE 4450	Water and Wastewater Treatment	3	(3,1,0)	CHEM 1010 CE 3310	
CE 4470	Sanitary Engineering Laboratory	1	(0,0,1)		CE 4450
Total		18	(16,6,2)		
Level 9					
Course Code	Title	Credit	Hours	Pre-requisite	Co-requisite
GEU 4010	Engineering Economy	2	(2,1,0)		
CE 4912	Computer Applications in Civil Engineering	2	(1,0,1)	CE 3310 CE 3350 CE 4710	
CE 4461	Water Supply and Sewerage	3	(3,1,0)	CE 3222	
CE 4930	Seminars in Civil Engineering	1	(0,0,1)		
CE 4980	Senior Design Project I	3	(1,0,2)	132 Cr.Hr	
CE XXXX	Elective Course (CE)	3	(3,1,0)		
Total		14	(10,3,4)		
Level 10					
Course Code	Title	Credit	Hours	Pre-requisite	Co-requisite
GEU 4020	Engineering Project Management	2	(2,1,0)	CE 4010	
CE XXXX	Elective Course (CE)	3	(3,1,0)		
CE XXXX	Elective Course (CE)	3	(3,1,0)		
CE XXXX	Elective Course (CE)	3	(3,1,0)		
CE 4990	Senior Design Project II	3	(1,0,2)	CE 4980	
CE 9990	Practical Training	1		112 Cr.Hr	
Total		15	(12,4,2)		

Total Credit Hours

166

