



FIRST YEAR (FRESHMAN)

FIRST SEMESTER							
CODE		COURSE TITLE	LECT	LAB	CRED	PRE-REQUISITE	CO-REQUISITE
MATH	101	Calculus I	4	0	4	-	PHYS 101
PHYS	101	General Physics I	3	3	4	-	MATH 101
ENGL	100	Elementary English	2	0	2	-	-
CHEM	101	General Chemistry I	3	3	4	-	-
IC	111	Islamic Culture	2	0	2	-	-
PE	101	Physical Education I	0	2	1	-	
TOTAL (CREDIT)			17				
SECOND SEMESTER							
CODE		COURSE TITLE	LECT	LAB	CRED	PRE-REQUISITE	CO-REQUISITE
MATH	102	Calculus II	4	0	4	MATH 101	PHYS 102
PHYS	102	General Physics II	3	3	4	PHYS 101	MATH 102
ICS	103	Computer Programming in C	2	3	3	MATH 101	-
ENGL	102	English Composition II	3	0	3	ENGL 100	-
ARB	100	Arabic Languages Skills	2	0	2	-	-
CHEM	130	Basics of Environment Chemistry	2	0	2	CHEM 101	-
PE	102	Physical Education II	0	2	1	PE 101	-
TOTAL (CREDIT)			19				



SECOND YEAR (SOPHOMORE)

FIRST SEMESTER							
CODE		COURSE TITLE	LECT	LAB	CRED	PRE-REQUISITE	CO-REQUISITE
MATH	201	Calculus III	3	0	3	MATH 102	-
CE	201	Statics	3	0	3	PHYS 101	-
CE	261	Surveying	1	3	2	Sophomore Standing	-
CE	215	Computer Graphics	2	3	3	ICS 103	-
XXX	XXX	Science Elective	2	3	3	-	-
ENGL	214	Technical Report Writing	3	0	3	ENGL 102	-
TOTAL (CREDIT)			17				
SECOND SEMESTER							
CODE		COURSE TITLE	LECT	LAB	CRED	PRE-REQUISITE	CO-REQUISITE
ME	201	Dynamics	3	0	3	CE 201	-
CE	230	Eng. Fluid Mechanics	3	0	3	CE 201, MATH 102	-
MATH	202	Elem. Diff. Equations	3	0	3	MATH 201	-
CE	203	Structural Mechanics	3	0	3	CE 201, MATH 102	-
EE	202	Fund. of Elec. Circuit	2	3	3	MATH 102, PHYS 102	-
CRCL	115	University Life Skills	3	0	3	-	-
TOTAL (CREDIT)			18				

THIRD YEAR (JUNIOR)

FIRST SEMESTER							
CODE		COURSE TITLE	LECT	LAB	CRED	PRE-REQUISITE	CO-REQUI SITE
CE	303	Structural Materials	3	3	4	CE 203	-
ETEC	115	Computer and Information	2	0	2	-	-
CE	330	Environmental Eng. Principles	3	0	3	CHEM 130	-
CE	305	Structural Analysis I	3	0	3	CE 203	-
CE	318	Num. & Stat. Methods in CE	2	3	3	MATH 202, ICS 103	-
GS	XXX	GS Elective	2	3	3	-	-
TOTAL (CREDIT)			18				
SECOND SEMESTER							
CODE		COURSE TITLE	LECT	LAB	CRED	PRE-REQUISITE	CO-REQUI SITE
ISE	307	Engineering Economics	3	0	3	Junior Standing	-
CE	312	Introduction To CE Design	1	0	1	CE 305, Junior Standing	-
CE	341	Transp. Engineering	3	0	3	PHYS 101	CE 343
CE	343	Transp. Engineering LAB	0	3	1	CE 303	CE 341
CE	353	Geotechnical Engineering I	3	3	4	CE 203, CE 230	-
CE	3XX	CE Elective I	2	3	3	-	-
EDUC	115	Work Values and Ethics	2	0	2	-	-
TOTAL (CREDIT)			17				

SUMMER SESSION

CODE	COURSE TITLE	LECT	LAB	CRED	PRE-REQUISITE	CO-REQUISITE
CE 350	Cooperative Work	0	0	0	CE 318, ENGL 214 & Senior Standing	-
TOTAL (CREDIT)		0				

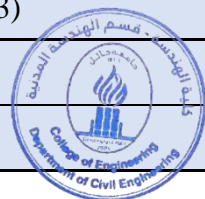
FOURTH YEAR (SENIOR)

FIRST SEMESTER							
CODE		COURSE TITLE	LECT	LAB	CRED	PRE-REQUISITE	CO-REQUISITE
CE 351		Cooperative Work (Cont.)	9	0	9	CE 318, ENGL 214 & Senior Standing	-
TOTAL (CREDIT)			9				
SECOND SEMESTER							
CODE		COURSE TITLE	LECT	LAB	CRED	PRE-REQUISITE	CO-REQUISITE
CE	421	Construction Methods & Management	3	0	3	CE 303, Senior Standing	-
CE	4XX	CE Elective II	3	0	3	CE 3XX	-
CE	408	Steel Design	2	3	3	CE 305	-
CE	490	CE Seminar	1	0	1	CE 312, Senior Standing	-
CE	413	Senior Design Project	0	9	3	CE 351	-
CE	4XX	Option Elective	2	3	3	-	-
EDUC	125	Entrepreneurship	2	0	2	-	-
TOTAL (CREDIT)			18				



ELECTIVE COURSES WITH CATEGORIES

OPTIONS	COURSES
Option 1: Structures, Materials and Construction (CE 3XX and CE 4XX)	CE 315: Reinforced Concrete I (2-3-3)
	CE 401: Concrete technology (2-3-3)
	CE 402: Durability, Evaluation, and Repair of Concrete Structures (3-0-3)
	CE 405: Structural Analysis II (3-0-3)
	CE 406: Structural Mechanics II (3-0-3)
	CE 415: Reinforced Concrete II (2-3-3)
	CE 418: Steel Design II (3-0-3)
	ARE 459: Contracts and Specification (3-0-3)
	CE 439: Civil Eng. Systems Analysis (3-0-3)
Option 2: Transportation and Geotechnical Engineering (CE 3XX and CE 4XX)	CE 440: Highway and Airport Materials (3-0-3)
	CE 441: Pavement Design (3-0-3)
	CE 442: Construction and Maintenance of Highways & Airports (3-0-3)
	CE 444: Traffic Engineering. & Roadway Safety (3-0-3)
	CE 453: Geotechnical Engineering II (3-0-3)
	CE 454: Soil Stabilization and Site Improvement (3-0-3)
	CE 455: Foundation and Earth Structures Design (3-0-3)
	CE 456: Seepage Analysis & Its Control (3-0-3)
	CE 464: Project Surveying (3-0-3)
Option 3: Water Resources & Environmental Engineering (CE 3XX and CE 4XX)	CE 332: Engineering Hydrology and Hydraulics (2-3-3)
	CE 431: Hydrologic Engineering (3-0-3)
	CE 433: Groundwater Engineering (3-0-3)





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OPTIONS	COURSES
	CE 436: Open Channel Hydraulics (3-0-3)
	CE 438: Hydraulic Systems Design (2-3-3)
	CE 473: Design and Operation of Water and Wastewater Treatment
	CE 439: Civil Eng. Systems Analysis (3-0-3)
	CE 471: Water and Wastewater: Treatment and Reuse (2-3-3)
	CE 474: Municipal Solid Waste Management (3-0-3)
	CE 476: Industrial Hazardous Waste Management and Treatment (3-0-3)
Science Elective Courses (XXX XXX)	GEOL 201: Physical Geology (2-3-3)
	GEOL 202: Applied Geosciences for Scientists & Engineers (2-3-3)
General Studies Elective Courses (GS-XXX)	MGT 301: Principles of Management (3-0-3)
	STAT 319: Probability and Statistics for Engineers and Scientists (2-3-3)
	ECON 403: Engineering Economics (3-0-3)
	GS 400: Energy efficiency (3-0-3)
	GS 321: Principles of Human Behavior Principles of Human Behavior (3-
	GS 423: International Relations (3-0-3)
	GS 424: Planning and Social Development (3-0-3)
	GS 427: Man and Environment (3-0-3)
	ISE 205: Engineering Probability & Statistics (3-0-3)



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