



Student Name: _____
Student No : _____
Academic Advisor: _____

First: University Requirements (27) Cr. Hr.			
A. First Field: University Compulsory Requirements: (15) Cr. Hr.			
Course No.	Course Title	Cr.Hr.	Prerequisite
114101	Arabic Language Skills (1)	3	114099
111100	Military Science	3	---
130101	English Language Skills (1)	3	130099
130102	English Language Skills (2)	3	130101
111101	National Education	3	---
	Voluntary Community Service	0	---
B. University Elective Courses (12) Cr.H.			
The student studies 12 credit hours from the table below:			
Course No.	Course Title	Cr.Hr.	Prerequisite
140111	Language Skills (1)	3	---
140112	Language skills (2)	3	---
111133	Human Vision & Civilization (1)	3	---
420143	Legal Culture	3	---
420140	Human Rights	3	---
330111	Introduction to Project Management	3	---
731102	Social Networking Skills	3	---
910102	Health Education	3	---
780101	Connectivity & Communications Skills	3	---
610230	Entrepreneurship and Creativity	3	---
240152	Environmental Culture	3	---
111112	Introduction To Psychology	3	---
Notes: -			
All students must take level examinations in Arabic Language, English language and Computer skills. Student who fails to pass in any examinations (less than 50 %) must successfully pass the remedial course which He / She did not pass.			
Codes used in Curriculum:			
(610) Electrical Eng.	(620) Mechanical Eng.		
(611) Renewable Energy Eng.	(615) Alternative Energy Technology		
(630) Computer Eng.	(640) Mechatronics Eng.		
(650) Communications & Electronics Eng.	(660) Architectural Eng.		
(670) Civil Eng.			

Second: Faculty Requirements: (27) Cr. Hr.			
Course No.	Course Title	Cr.Hr.	Prerequisite
250101	Calculus (1)	3	---
250102	Calculus (2)	3	250101
211101	General Physics (1)	3	---
211102	General Physics (2)	3	211101
212101	General Chemistry (1)	3	---
660131	Manual Engineering Drawing	1	---
660132	Computer Engineering Drawing	1	660131
620171	Engineering Workshop (1)	1	660132
630263	Programming Language	3	---
640253	Engineering Skills	3	130102
610550	Entrepreneurship	3	640253

Third: Department Requirements (106) Cr. Hr.			
A. Compulsory Requirements: (82) Cr. Hr.			
Course No.	Course Title	Cr.Hr.	Prerequisite
620172	Engineering Workshop (2)	1	620171
212102	General Chemistry Lab.	1	212101
630211	Logic Circuit	3	630263
610211	Electrical Circuits (1)	3	211102
610212	Electrical Circuits (2)	3	610211
610216	Electrical Circuits Lab.	1	610211(*)
650242	Electronics (1)	3	610211
650313	Electromagnetic Fields	3	250205
610314	Electrical Machines (1)	3	650313
650320	Systems and Signals	3	650260
650322	Digital Signal Processing	3	650320
650342	Electronics (2)	3	650242
650343	Electronics (1) Lab.	1	650242 (*)
650344	Digital Electronics	3	650242
650345	Electronics (2) Lab.	1	650342 (*)
650346	Electronic Measurement Instruments	3	650342
610411	Power System (1)	3	610314

Course No.	Course Title	Cr.Hr.	Prerequisite
610414	Automatic Control	3	650346+650260
650420	Analog Communications	3	650320
650425	Digital Communication	3	650420
650428	Communications Lab.	1	650420 (*)
650443	Industrial Electronics	3	650342
650444	Power Electronics	3	650342
650445	Optical Communications	3	650420
650440	Engineering Project (1)	1	(100) Cr.Hr
650499	Engineering Training (**)	3	(115) Cr.Hr
650550	Engineering Project (2)	2	650449
640458	Reverse Engineering	3	640253
650520	Mobile Communications	3	650425
650524	Digital Communications Lab.	1	650425 (*)
650526	Communication Circuits	3	650420
650541	Antenna Engineering	3	650313+650420
650560	Integrated Circuits and Systems	3	650344
B. Compulsory Support Requirements: (15) Cr. Hr.			
Course No.	Course Title	Cr.Hr.	Prerequisite
250205	Linear Algebra and Vector Differentiation and Integration	3	250102
250202	Calculus (3)	3	250102
650260	Engineering Analysis (1)	3	250102
630262	Engineering Analysis (2)	3	250205
650364	Probability and Random Variables	3	650260
C. Elective Requirements: (9) Cr. Hr.			
Course No.	Course Title	Cr.Hr.	Prerequisite
650447	Microelectronics	3	650344
650449	Special Topics	3	Dept. Approval
650460	Nanoelectronics	3	650313
650522	Computer and Communication Networks	3	650425
650527	Transmission Communications Systems	3	650425
650542	Microwave Engineering	3	650541
(*) Concurrent			
(**) Seven weeks (280 hours) of Training after completing (115) Cr.Hrs.			