



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

First: University Requirements (27) Cr.H.			
A. First Field: University Compulsory Requirements: (15) Cr.H.			
Course No.	Course Title	Cr.H.	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	---
111000	Student 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 & Communication 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.			
(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(Auto CAD)	1	660131
620171	Engineering Workshop (1)	1	660132
630263	Programming Language	3	---
640253	Engineering Skills	3	130102
610550	Entrepreneurship	3	640253+120 Cr.H
Third: Department Requirements (106) Cr.H.			
A. Compulsory Requirements: (82) Cr.H.			
Course No.	Course Title	Cr. Hr.	Prerequisite
610214	Electrical Engineering	3	211102
620211	Statics	3	250102+211101
620212	Dynamics	3	620211
620213	Strength of materials	3	620211
620232	Mechanical Drawing	2	660132
620344	Engineering Measurements	3	610214
620274	Material Science	3	212101
620333	Theory of Machines	3	620212
620320	Fluid Mechanics (1)	3	620212+650260
620323	Thermodynamics (1)	3	211102+250102
620324	Thermodynamics (2)	3	620323
620428	Fluid Mechanics(2)	3	620320+630262
620434	Machine Design (1)	3	620213
620435	Machine Design (2)	3	620434+620232
620443	Automatic Control	3	620344
620420	Heat transfer (1)	3	620323+650260
620437	Reverse Engineering	3	620435
620436	Exercises in Machine Design	1	*620435

Course No.	Course Title	Cr.Hr.	Prerequisite
620477	Production Processes	3	620274+620172
620414	Mechanical vibrations	3	650260+620212
620529	Internal combustion engines	3	620324
620522	Air conditioning (1)	3	620420
620523	Design of Sanitary Systems	3	620320
610219	Electrical Engineering lab.	1	610214(*)
620427	Thermal Lab.	1	620420(*)
620520	Internal combustion engine Lab.	1	620529 (*)
620429	Fluid Mechanics Lab.	1	620428(*)
620415	Mechanical vibration lab	1	620414(*)
620314	Strength of Material lab	1	620213(*)
620345	Engineering Measurements Lab.	1	620344(*)
620457	Control systems Lab.	1	620443(*)
620172	Engineering Workshop (2)	1	620171
212102	General chemistry Lab.	1	212101
620440	Engineering project (1)	1	(100) Cr.Hr
620540	Engineering project (2)	2	620499+620440
620499	Engineering Training (**)	3	(115) Cr. .Hr.
B. Compulsory Support Requirements: (15) Cr. Hr.			
Course No.	Course Title	Cr. Hr.	Prerequisite
250202	Calculus (3)	3	250102
650260	Engineering Analysis (1)	3	250102
630262	Engineering Analysis (2)	3	650260
620301	Applied Engineering mathematics	3	650260
620302	Finite Element Method	3	620301
C. Elective Requirements: (9) Cr. Hr.			
Course No.	Course Title	Cr.H.	Prerequisite
620538	Computer aided design	3	620436
620449	Refrigeration Systems	3	620324
620526	Thermal Power Plants	3	620324
620550	Turbomachinery	3	250202+620428
620549	Hydraulic and Pneumatic Systems	3	620428
620552	Renewable Energy Systems	3	620420
620555	Special Topics in Mechanical Engineering	3	Dep. Approval
(*) Concurrent			