

<b>First: University Requirements (27) Cr.H.</b>			
<b>A. First Field: University Compulsory Requirements: (15) Cr.H.</b>			
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>B. University Elective Courses (12) Cr.H.</b>			
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	---
<b>Notes: -</b>			
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.			
<b>Codes used in Curriclum:</b>			
(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.			

<b>Second: Faculty Requirements: (27) Cr. Hr.</b>			
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

<b>Third: Department Requirements (106) Cr.H.</b>			
<b>A. Compulsory Requirements: (82) Cr.H.</b>			
Course No.	Course Title	Cr.Hr.	Prerequisite
620172	Engineering Workshop (1)	1	620171
670107	General Chemistry Lab.	1	212101
610211	Electrical Circuits (1)	3	211102
610212	Electrical Circuits (2)	3	610211
610216	Electrical Circuits Lab.	1	610211 (*)
610213	Electromagnetic (1)	3	650260
630211	Logic Circuit	3	630263
630212	Logic Circuit Lab.	1	630211 (*)
650242	Electronics (1)	3	610211
650342	Electronics (2)	3	650242
650343	Electronics (1) Lab.	1	650242 (*)
630313	Microprocessors	3	630211
630314	Microprocessors Lab.	1	630313 (*)
610314	Electrical Machines (1)	3	610213
610316	Electrical Machines (1) Lab.	1	610314 (*)
650320	Systems and Signals	3	650260
610332	Instrumentation& Measurement	3	650342
650344	Digital Electronics	3	650242

Course No.	Course Title	Cr.H.	Prerequisite
610411	Power System (1)	3	610314
610412	Power System (2)	3	610411+630262
610414	Automatic Control	3	610332+650260
630414	Embedded Systems Design	3	630313
610416	Automatic Control Lab.	1	610414 (*)
610417	Power System Lab.	1	610411 (*)
650420	Analogue Communications	3	650320
650425	Digital Communication	3	650420
650428	Communications Lab.	1	650420 (*)
610440	Engineering Project (1)	1	100 Cr.H.
640458	Reverse Engineering	3	640253
610514	Electrical Machines (2)	3	610314
650526	Communication Circuits	3	650242+650420
610530	Power Electronics	3	650342
650520	Mobile Communications	3	650425
610540	Engineering Project (2)	2	610440+610499
610499	Engineering Training (**)	3	115 Cr.H.
<b>B. Compulsory Support Requirements: (15) Cr. Hr.</b>			
Course No.	Course Title	Cr.H.	Prerequisite
250205	Linear Algebra and Vector Calculus	3	250202
250202	Calculus (3)	3	250102
650260	Engineering Analysis (1)	3	250102
630262	Engineering Analysis (2)	3	250205
650364	Probability and Random Variables	3	650260
<b>C. Elective Requirements: (9) Cr. Hr.</b>			
Course No.	Course Title	Cr.H.	Prerequisite
610419	Electrical Installation	3	610411
610515	Transmission& Distribution of Power Systems	3	610411
610516	Special Topics in Electrical Engineering	3	Dept. Approval
610518	Motors Controlling Systems	3	610414
610513	Power System Protection	3	610411
610586	Power Systems Reliability	3	610411
(*) <b>Concurrent</b>			
(**) <b>Seven weeks (280 hours) of Training after completing (115) Cr.Hrs.</b>			