



Student Name:

Student No.:

Academic Advisor:

**First: University Requirements (27) Cr.H.**

A- First Field: University Compulsory Requirements: (12) Cr.H.

Course No.	Course Title	Cr.H.	Prerequisite
110101	Arabic Language Skills (1)	3	110099
111100	Military Science	3	---
111101	National Education	3	---
130101	English Language Skills (1)	3	130099

B- University Elective Courses:

From the 2<sup>nd</sup>,3<sup>rd</sup>,4<sup>th</sup> fields student should study one course as a minimum, two courses as a maximum that constitutes totally (15) Cr.H.

Second Field: Human Sciences (3-6) Cr.H.

Course No.	Course Title	Cr.H.	Prerequisite
110102	Arabic Language Skills (2)	3	110101
130103	English Language skills (3)	3	130102
140101	Foreign Language (French 1)	3	---
140104	Foreign Language (Italian 1)	3	---
140106	Foreign Language (Hebrew 1)	3	---

Third Field: Social and Economic Sciences: (3-6) Cr.H.

Course No.	Course Title	Cr.H.	Prerequisite
111111	Introduction to Sociology	3	---
111112	Introduction to Psychology	3	---
111133	Human Thought and Civilization(1)	3	---
111142	Mass Communication & Society	3	---
115255	Development Culture	3	---

Fourth Field: Technology, Agricultural and Health Sciences: (3-6) Cr..H.

Course No.	Course Title	Cr.H.	Prerequisite
910101	Health Promotion of Individual & the Community	3	---
910105	Principles of First Aids	3	---
240151	Humans and Environment	3	---
620105	Automobile Fundamentals	3	---
750111	Computer Skills	2	750099

**Codes used in Study Plan:**

(610) Electrical Eng. (620) Mechanical Eng.  
 (630) Computer Eng. (640) Mechatronics Eng.  
 (650) Communications & Electronics Eng. (660) Architectural Eng.

**Second: Faculty Requirements (29) Cr.H.**

Course No.	Course Title	Cr.H.	Prerequisite
130102	English Language Skills (2)	3	130101
210101	Mathematics(1)	3	---
210106	Mathematics for engineering Students	3	210101
211104	Applied Physics	3	---
610504	Entrepreneurship	3	640306+120Cr.H.
620162	Engineering Workshop (1)	1	620121
620163	Engineering Workshop (2)	1	620162
630202	Engineering Analysis (2)	3	650201
630203	Programming Language	3	---
640306	Engineering Skills	3	130102
650201	Engineering Analysis(1)	3	210106

**Third: Department Requirements (104) Cr.H.**

A-Compulsory courses (95) Cr.H.

Course No.	Course Title	Cr.H.	Prerequisite
610214	Electrical Engineering	3	211104
610219	Electrical Engineering Lab.	1	610214
610383	Micro Machines	3	650241
610451	Control systems	3	640364
620121	Engineering Drawing	3	----
630204	Discrete Mathematics	3	630261
630205	Object Oriented Programming	3	630203
630206	Software (1) Lab.	1	630203
630231	Data Structures & Algorithms	3	630205
630232	Systems Programming & Analysis	3	630203
630261	Logic Circuits	3	----
630266	Logic Circuits Lab.	1	630261
630331	Database Systems	3	630231
630336	Software (2) lab.	1	630231
630342	Signal Analysis & Processing	3	630202
630351	Software Engineering (1)	3	630331+630336
630361	Computer Architecture	3	630266
630362	Digital Techniques	3	650227
630371	Microprocessors	3	630261
630376	Microprocessors Lab.	1	630371
630390	Engineering Project (1)	1	650222+620163
630441	Data Communication	3	630342

Course No.	Course Title	Cr.H.	Prerequisite
630442	Computer Networks	3	630441
630446	Data Communication Lab	1	630441
630452	Intelligent Systems Design	3	630204
630456	Software (3) Lab.	1	630336
630462	Operating Systems	3	630232
630470	Embedded Systems Design	3	630371
630476	Computer Design Lab.	1	630470
630546	Computer Network Lab	1	630442+630446
630561	Advanced Computer Architecture	3	630361
630581	Real Time Systems	3	630476+630470
630597	Engineering Project (2)	1	630390
630598	Engineering Project (3)	2	630597
630499	Practical Training	3	110 C.H.
640364	Sensors and actuators	3	650222
640397	Reverse Engineering	3	630390
650222	Electronic Engineering	3	610214
650227	Electronic Engineering Lab.	1	650222+610219
650241	Electromagnetics (1)	3	650201

B- Elective Courses in Computer Engineering (9) Cr.H.

Students chooses (9) Cr.H. from the following table

Course No.	Course Title	Cr.H.	Prerequisite
630451	S/W Engineering (2)	3	630351
630461	Advanced Logic Circuits	3	630362
630501	Advanced Programming Language	3	630231
630545	Advanced Computer Networks	3	630442
630544	Network Design & Management	3	630442
630551	Neural Networks & Fuzzy logic	3	630452
630573	Modeling & Simulation	3	630202
630574	Computer Security	3	630442
630593	Special Topics in Computer & Software Engineering	3	Dept. Approval