



Student Name: \_\_\_\_\_  
Student No.: \_\_\_\_\_  
Academic Advisor: \_\_\_\_\_

**First: University Requirements (27) Cr.Hr.**  
**A. First Field: University Compulsory Requirements: (18) Cr.Hr.**

Course No.	Course Title	Cr.Hr.	Prerequisite
111100	Military Science	3	---
116101	National Education	3	---
116103	Communication and Contact Skills (Arabic Language)	3	114099
116107	Communication and Contact Skills (English Language 1)	3	130099
116108	Communication and Contact Skills (English Language 2)	3	116107
116102	Leadership and Social Responsibility	1	---
116104	Life Skills	1	---
116109	Voluntary Community Service	0	---

**B. University Elective Courses (9) Cr.Hr.**

The student studies 9 credit hours from the table below:

Course No.	Course Title	Cr.Hr.	Prerequisite
116105	Thinking Skills	3	---
116133	Human Vision and Civilization	3	---
116111	Language Skills (1)	3	---
116112	Language Skills (2)	3	---
116113	Development & Environment	3	---
116114	Introduction to Project Management	3	---
116140	Human Rights	3	---
116143	Legal Culture	3	---
116106	Economic Culture	3	---
216104	Digital Culture	3	---
216102	Data Analysis Skills	3	---
216105	Health Culture	3	---
116144	Introduction to psychology and sociology	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.
- (611) Renewable Energy Eng.
- (630) Computer Eng.
- (650) Communications & Electronics Eng.
- (670) Civil Eng.
- (620) Mechanical Eng.
- (615) Alternative Energy Technology
- (640) Mechatronics Eng.
- (660) Architectural Eng.

**Second: Faculty Requirements: (27) Cr. Hr.**

Course No.	Course Title	Cr.Hr.	Prerequisite
216111	Calculus (1)	3	---
250102	Calculus (2)	3	216111
216131	General Physics (1)	3	---
216132	General Physics (2)	3	216131
216141	General Chemistry (1)	3	---
660131	Manual Engineering Drawing	1	---
660132	Computer Engineering Drawing	1	660131
620171	Engineering Workshop (1)	1	---
610263	Programming Language	3	750099
640253	Engineering Skills	3	130108
610550	Entrepreneurship	3	640253

**Third: Department Requirements (78) Cr.Hr.**

**A. Compulsory Requirements: (69) Cr.Hr.**

Course No.	Course Title	Cr.Hr.	Prerequisite
615211	Principles of Electrical Circuits	2	216132
615212	Principles of Electronic Circuits	2	615211
615311	Sensors and measurement devices	2	615212
615312	Automatic Control Systems	2	615311
615313	Electrical Machines	2	615211
615314	Electrical Power System	2	615313
615225	Mechanics (Statics and Dynamics)	3	216131+250102
615226	ThermoFluid	3	250102+615225
615261	Fluid and Thermal Lab.	-	615226
615323	Heat transfer	3	615226
615322	Strength of Materials	2	615225
615331	Internal and External Combustion	2	615323
615334	Energy Storage and Conversion	3	615323
615333	Power Plant Station	2	615314

**B. Compulsory Support Requirements: (9) Cr. Hr.**

Course No.	Course Title	Cr.Hr.	Prerequisite
615333	Reading and Drawing Sketches	3	660132
615331	Occupational safety	3	615333
615332	Materials Science	3	615322

(\*) concurrent



*Handwritten signatures and dates:*  
S. 11/10/2022  
5-10-2022