

First Term					
No.	Course Title	Code	Cr. Hrs	Level	Hrs
1	Mathematics (1)	BAS 011	3	0	18
2	Physics (1)	BAS 021	3		
3	History of Engineering & Technology	MED 021	1		
4	Arabic Language	HUM 011	2		
5	English Language (1)	HUM 012	2		
6	Engineering Chemistry	BAS 041	3		
7	Engineering Drawing & Projection	MED 011	3		
8	Human Rights	HUM 325	1		
9	Principles of Construction & Building Engineering	CIS 111	2	1	18
	Principles of Electronic Engineering	ELE121			
10	Recent Egyptian History	HUM x73	2		
11	Electrical Materials	ELP115	3		
12	Mathematics 3	BAS111	3		
13	Electrical Circuits 1	ELP112	2		
14	Electrical Measurements & Testing	ELP114	3		
15	Computer Programming	ELC221	3		
16	Principles of Electrical Engineering	ELP 111	2	2	18
17	Monitoring & Quality Control Systems	IEN 131	1		
18	Mathematics 4	BA S211	3		
19	Digital & Logic Circuits	ELE 221	3		
20	Modeling & Simulation of Engineering Systems	ELC 251	3		
21	Signal Analysis	ELE 271	3		
22	Electrical Machines & Transformers	ELP 241	3	3	18
23	Environmental Impact of Projects	CIW 331	1		
24	Analysis & Research Skills	HUM 182	2		
25	Statics & Probability Theory	BAS 212	3		
26	Electrical Communications	ELE 361	3		
27	Electronic Circuits	ELE 321	3		
28	Power Electronics	ELP 361	3		
29	Microprocessors & Applications	ELE 241	3		
30	Principles of mechanical power	MEP 111	2	4	15
31	Mobile Communications	ELE 463	3		
32	Antenna & Wave Propagation	ELE 461	3		
33	Optical communication	ELE 465	3		
34	Project 1	ELE 491	2		
35	Communication & Presentation Skills	HUM 181	2		

Second Term					
No.	Course Title	Code	Cr. Hrs	Level	Hrs
1	Mechanics	BAS 031	4	0	18
2	Mathematics (2)	BAS 012	3		
3	Physics (2)	BAS 022	3		
4	Principles of Manufacturing Engineering	MED 011	2		
5	Computer Skills	HUM 081	0		
6	English Language (2)	HUM 013	2		
7	Heritage of Egyptian literature	HUM X74	2		
8	Trends in Contemporary Arts	HUM x72	2		
9	Arts & Architecture	ARC 111	2	1	18
10	Technical Report Writing	HUM 111	2		
11	Electrical Circuits 2	ELP113	2		
12	Energy Conversion	ELP181	3		
13	Electromagnetic Fields	ELP141	3		
14	Arabic & Islamic Civilization	HUM X75	2		
15	Introduction to Accounting	HUM 121	2		
16	Engineering Economics	IEN 351	2		
17	Professional Ethics	HUM 351	1	2	18
18	Project Management	IEN 314	2		
19	Computer Organization & Architecture	ELC 311	3		
20	Electronic Devices	ELE 222	3		
21	Electrical Power	ELP 321	3		
22	Automatic Control	ELC 361	3		
23	Mathematics 5	BAS 311	3		
24	Principles of Negotiations	HUM 381	2	3	21
25	Digital Communication Systems	ELE 462	3		
26	Microcontrol and applications	ELE 442	3		
27	Digital Signal Processing	ELE 471	3		
28	Computer Networks	ELC 331	3		
29	Electronics Engineering	ELE 322	3	4	7
30	Project 2	ELE 492	4		
31	Integrated Circuits Design	ELE 411	3		
32	Field Training	-291	0		
33	Field Training	-391	0		