

The Public Authority for Applied Education and Training
 College of Technological studies
 Department : Electronics Eng Tech
Program: Communication Engineering Technology

PROGRAM MAJOR SHEET
Current

Major Core Courses (42 Credits)

Code	No.	Course Name	Cr.	Hrs.	Theo.	Lab.	Field	Pre-req.
53	135	Electrical Circuits (1)	4	6	3	3	0	
53	136	Electrical Circuits (2)	4	6	3	3	0	53/135 , 76/105
53	137	Electronics (1)	4	6	3	3	0	53/135
53	238	Electronics (2)	4	6	3	3	0	53/137
53	139	Digital Circuits	4	6	3	3	0	
53	239	Microprocessor Fundamentals	4	6	3	3	0	53/139
53	105	Electronic Workshop	1	3	0	3	0	
53	307	Electronic Project (communication)	2	3	1	2	0	53/263
53	263	Communication Theory	3	4	2	2	0	53/137
53	264	Digital Communications	3	4	2	2	0	53/263
53	256	Electromagnetic Applications	3	4	2	2	0	53/136
53	359	Antenna Theory	2	2	2	0	0	53/256
53	399	Field Training	4	16	0	0	16	
			42	72	27	29	16	

General Core Courses (18 Credits)

Code	No.	Course Name	Cr.	Hrs.	Theo.	Lab.	Field	Pre-req.
76	105	Mathematics (1)	3	3	3	0	0	
76	106	Mathematics (2)	3	3	3	0	0	76/105
56	113	Basic Physics	3	4	2	2	0	
30	99	Remedial English	0	5	0	0	0	
30	102	Technical English	3	3	3	0	0	PEN Or 30/99
30	162	Technical Writing	3	3	3	0	0	30/102
30	171	Communication Skills	3	3	3	0	0	30/102
			18	24	17	2	0	

Total	Cr.	Hrs.
	75	111

Major Elective Courses (6 Credits)

Code	No.	Course Name	Cr.	Hrs.	Theo.	Lab.	Field	Pre-req.
53	356	Microwave Communications	3	4	2	2	0	53/256
53	358	Optical Communications	3	4	2	2	0	53/263
53	364	Communication Electronics	3	4	2	2	0	53/263
53	366	Selected topics in Communications	3	3	3	0	0	53/263
53	367	Digital Communication Networks	3	3	3	0	0	53/264
53	369	Computer Applications in comm.	3	4	2	2	0	53/263, 76/106

General Elective Courses (3 Credits)

Code	No.	Course Name	Cr.	Hrs.	Theo.	Lab.	Field	Pre-req.
15	114	Industrial Psychology	2	2	2	0	0	
63	136	Fundamentals of Air Conditioning	3	3	3	0	0	
66	135	Energy and Water conservation	3	3	3	0	0	
8	110	Physical Education	1	2	2	0	0	
7	141	Art Education (1)	1	2	2	0	0	
7	142	Art Education (2)	1	2	2	0	0	07/ 141
13	151	Music Education	1	2	2	0	0	
21	164	Accounting	2	2	2	0	0	
25	166	Industrial Economics	2	2	2	0	0	
22	104	Small Projects Management	2	2	2	0	0	
57	102	Intr. Contracts and Specifications	3	3	3	0	0	
64	268	Design and Creativity in Tech.	2	2	2	0	0	
65	205	Automotive Mechanics	3	3	3	0	0	
3	112	Work Ethics & Loyalty	3	3	3	0	0	

General Compulsory Courses (6 Credits)

Code	No.	Course Name	Cr.	Hrs.	Theo.	Lab.	Field	Pre-req.
1	101	Islamic Culture	2	2	2	0	0	
53	208	Intro. To Electronics Eng. Tech.	2	2	2	0	0	30/101
53	209	Found. & Operating Elect. Prjct.	2	2	2	0	0	53/208
			6	6	6			

