The Public Authority for Applied Education and Training

College of Technology Studies

Department Electronics Eng Tech

Program: Computer Engineering Technology

Major Core Courses   (42 Credits)

Code	No.	Course Name	Cr.	Hrs.	Theo.	Lab.	Field	Pre-req.
53	130	Electrical Circuits Fundamentals	3	5	2	3	0	
53	137	Electronics (1)	4	6	3	3	0	53/130
53	139	Digital Circuits	4	6	3	3	0	
53	239	Microporcessor Fundamentals	4	6	3	3	0	53/139
60	132	Comp. Programming Language (1)	4	6	3	3	0	76/105
60	205	Computer Maintenance	3	5	2	3	0	
60	307	Computer Project	2	4	1	3	0	60/132, 53/239
60	222	Computer Operating System	3	3	3	0	0	60/205, 60/132
60	235	Comp. Programming Language (2)	4	6	3	3	0	60/132
60	349	Computer Architecture	3	3	3	0	0	53/139
60	255	Computer Networks (1)	4	6	3	3	0	53/139
60	399	Field Training	4	16	0	0	16	
			42	72	29	27	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	Comminucation 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.
60	211	Computer applications	3	4	2	2	0	60/132
60	251	Communcation of Digital Information	3	3	3	0	0	53/139
60	354	Computer Networks (2)	3	3	3	0	0	60/255
60	292	Introduction to Database	3	4	2	2	0	60/132
60	360	Selected topics in Computer Eng.	3	3	3	0	0	60/132, 205,255
60	231	Object Oriented Programming	3	4	2	2	0	60/132
60	347	Microprocessors Peripherals	3	4	2	2	0	53/239
60	242	Internet Programming	3	4	2	2	0	60/132
60	234	Logic Circuit Families	3	3	3	0	0	53/139,137

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	Industial 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			