



Study Plan

Degree : Intermediate Diploma Faculty : Jubail Industrial College Plan Hrs.: 74
 Semester : 451 Department : Electrical Engineering Plan Type : Major
 Edition : 7 Gender : Both
 Major : 2-2-204 Instrumentation & Control Eng. Technology

Council Session: Deanship Session : Faculty Session : Dept Session:
 Council Date: Deanship Date: Faculty Date: Dept Date :

Group Type : Compulsory 1

First							
code	course name	H	G	L	H	requisite	Yrl
ENGL 119	Academic Writing	3				-	-
GES 103	Physical Education	1				-	-
GES 132	Fundamentals of Physics	4				-	-
GES 152	Principles of Chemistry	4				-	-
MATH 107	Differential Calculus	4				-	-
MME 103	Industrial Safety and Environment	1				-	-
Total							17

Second							
code	course name	H	G	L	H	requisite	Yrl
EEE 101	Electrical Circuits I	3				-	-
EEE 121	Instrumentation and Measurements I	3				GES 132 - / P	-
EEE 132	Digital Electronics	3				-	-
ENGL 129	Professional Communication	3				ENGL 119 - / P	-
IAS 121	Islamic Culture	2				-	-
MATH 108	Integral Calculus	4				MATH 107 - / P	-
Total							18

Third							
code	course name	H	G	L	H	requisite	Yrl
EEE 131	Analogue Electronics	3				EEE 101 - / P	-
EEE 221	Instrumentation & Measurements II	3				EEE 121 - / P	-
EEE 223	Industrial Control	3				EEE 121 - / P MATH 108 - / P	-
EEE 225	Introduction to Microcontrollers	3				EEE 132 - / P	-
EEE 237	PLC Applications	3				EEE 132 - / P	-
ENGL 213	Technical Writing	3				ENGL 129 - / P	-
Total							18

Fourth							
code	course name	H	G	L	H	requisite	Yrl

Group Type : Compulsory 1

Fourth							
code	course name	H	G	L	H	requisite	Yrl
BUS 219	Intro to Organizational Behavior and Ethics	2				ENGL 119 - / P	-
EEE 222	Electrical Machines and Control	3				EEE 101 - / P	-
EEE 232	Instrumentation Engineering	3				EEE 221 - / P	-
EEE 235	ICET Project	2				EEE 131 - / P EEE 225 - / P	-
EEE 236	Programming for ICET	3				EEE 132 - / P	-
EEE 238	Reading Process and Instrumentation Diagram	2				EEE 221 - / P EEE 223 - / P	-
EEE 291	Cooperative Work Experience	3				-	-
Total							18

Category : College Requirement

Group Type : Elective 1 (3)

P : Pre-requisite

G : GPA level

H : Requisite HRS

C: Co- requisite MC : Mandetory Co--requisi NC: None Co- requisite L : Pre-course Level



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Category : College Requirement

Group Type : Elective 1 (3)

code	course name	H	G	L	H	requisite	Yrl
BUS 101	Principles of Management	3				-	-
BUS 151	Microeconomics	3				-	-
CHM 104	Industrial Chemistry Principles	3				-	-
CHM 112	Inorganic Chemistry I	3				GES 152 - / P	-
CHM 156	Polymer Science and Engineering	3				GES 152 - / P	-
CIT 124	Soft Skills	3				-	-
CIT 233	Enterprise Resource Planning	3				ENGL 119 - / P	-
EEE 239	Principles of Electrical Machines	3				-	-
EEE 243	Renewable Energy Basics	3				-	-
MIS 102	Principles of Management Information Systems	3				-	-
MME 121	Plant Maintenance	3				-	-
MME 201	Metallurgy	3				GES 152 - / P	-
NDT 102	Manufacturing Processes and NDT	3				-	-
Total							39

Free Hrs. : 0