



Study Plan

Degree : Intermediate Diploma Faculty : Jubail Industrial College Plan Hrs.: 75
 Semester : 451 Department : Electrical Engineering Plan Type : Major
 Edition : 8 Gender : Both
 Major : 2-2-203 Electrical Power Engineering 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
EEE 101	Electrical Circuits I	3				-
ENGL 119	Academic Writing	3				-
GES 132	Fundamentals of Physics	4				-
GES 152	Principles of Chemistry	4				-
MATH 107	Differential Calculus	4				-
Total						18

Second						
code	course name	H	G	L	H	requisite
EEE 111	Electrical Machines I	3				EEE 101 - / P
EEE 112	Electrical Circuits II	3				EEE 101 - / P
EEE 131	Analogue Electronics	3				EEE 101 - / P
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
EEE 121	Instrumentation and Measurements I	3				GES 132 - / P
EEE 132	Digital Electronics	3				-
EEE 201	Electrical Machines II	3				EEE 111 - / P EEE 112 - / P
EEE 202	Electrical Control and Protection I	3				EEE 111 - / P
EEE 205	Electrical Wiring	2				-
ENGL 213	Technical Writing	3				ENGL 129 - / P
GES 103	Physical Education	1				-
Total						18

Fourth						
code	course name	H	G	L	H	requisite
BUS 219	Intro to Organizational	2				ENGL 119 - / P

Group Type : Compulsory 1

Fourth						
code	course name	H	G	L	H	requisite
	Behavior and Ethics					
EEE 203	Power Electronics	3				EEE 131 - / P
EEE 212	Transmission & Distribution of Elect. Energy	3				EEE 112 - / P
EEE 213	EPET Project	2				EEE 201 - / P EEE 202 - / P
EEE 218	Electrical Troubleshooting	1				EEE 202 - / P
EEE 237	PLC Applications	3				EEE 132 - / P
EEE 290	Cooperative Work Experience	3				-
MME 103	Industrial Safety and Environment	1				-
Total						18

Category : College Requirement

Group Type : Elective 1 (3)

code	course name	H	G	L	H	requisite
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 241	Principles of Control	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						36

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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Free Hrs. : 0