



Study Plan

Degree : Intermediate Diploma Faculty : Jubail Industrial College Plan Hrs.: 75
 Semester : 451 Department : Mechanical Engineering Plan Type : Major
 Edition : 4 Gender : Both
 Major : 2-3-216 Non-destructive Testing & Evaluation 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	Yrl
ENGL 119	Academic Writing	3				-	-
GES 132	Fundamentals of Physics	4				-	-
IAS 121	Islamic Culture	2				-	-
MATH 107	Differential Calculus	4				-	-
MME 103	Industrial Safety and Environment	1				-	-
NDT 101	Engineering Drawing and Blueprint Reading	1				-	-
NDT 102	Manufacturing Processes and NDT	3				-	-
Total							18

Second							
code	course name	H	G	L	H	requisite	Yrl
CIT 118	Computer Applications	1				-	-
EEE 217	Electrical and Electronic Principles	2				-	-
ENGL 129	Professional Communication	3				ENGL 119 - / P	-
GES 152	Principles of Chemistry	4				-	-
NDT 111	Visual Testing (VT)	2				-	-
NDT 113	Fundamentals of Welding	3				-	-
NDT 115	Materials Science and Metallurgy	3				-	-
Total							18

Third							
code	course name	H	G	L	H	requisite	Yrl
CHM 237	Fundamentals of Corrosion	3				GES 152 - / P	-
ENGL 213	Technical Writing	3				ENGL 129 - / P	-
MME 205	Metrology and Quality Control	2				NDT 101 - / P	-
NDT 201	Penetrant Testing (PT)	2				-	-
NDT 202	Magnetic Particle Testing (MT)	2				-	-
NDT 211	NDT Codes and Standards	2				-	-

Group Type : Compulsory 1

Third							
code	course name	H	G	L	H	requisite	Yrl
NDT 221	Ultrasonic Testing (UT)	4				EEE 217 - / P GES 132 - / P	-
Total							18

Fourth							
code	course name	H	G	L	H	requisite	Yrl
BUS 219	Intro to Organizational Behavior and Ethics	2				ENGL 119 - / P	-
GES 103	Physical Education	1				-	-
NDT 215	NDTE Project	2				NDT 221 - / P	-
NDT 222	Eddy Current Testing (ET)	3				EEE 217 - / P	-
NDT 223	Radiographic Testing and Radiation Safety	4				-	-
NDT 224	Advanced NDT – PAUT and TOFD	3				NDT 221 - / P	-
NDT 290	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



Study Plan

Degree : Intermediate Diploma Faculty : Jubail Industrial College
 Semester : 451 Department : Mechanical Engineering
 Edition : 4 Gender : Both
 Major : 2-3-216 Non-destructive Testing & Evaluation Engineering Technology

Plan Hrs.: 75

Plan Type : Major

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

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 241	Principles of Control	3				-	-
EEE 242	Digital Logic Fundamentals	3				-	-
EEE 243	Renewable Energy Basics	3				-	-
MIS 102	Principles of Management Information Systems	3				-	-
MME 121	Plant Maintenance	3				-	-
Total							39
Free Hrs. : 0							