



Study Plan

Degree : Intermediate Diploma Faculty : Jubail Industrial College Plan Hrs.: 75
 Semester : 451 Department : Chemical Engineering Plan Type : Major
 Edition : 7 Gender : Both
 Major : 2-1-201 Chemical 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
CHM 121	Chemical Engineering Principles	2				-	-
CHM 123	Process Equipment	2				-	-
CIT 118	Computer Applications	1				-	-
ENGL 119	Academic Writing	3				-	-
GES 152	Principles of Chemistry	4				-	-
IAS 121	Islamic Culture	2				-	-
MATH 107	Differential Calculus	4				-	-
Total							18

Second							
code	course name	H	G	L	H	requisite	Yrl
CHM 114	Organic Chemistry I	4				GES 152 - / P	-
CHM 131	Instrumentation and Process Control	3				CHM 123 - / P	-
ENGL 129	Professional Communication	3				ENGL 119 - / P	-
GES 132	Fundamentals of Physics	4				-	-
MATH 108	Integral Calculus	4				MATH 107 - / P	-
Total							18

Third							
code	course name	H	G	L	H	requisite	Yrl
BUS 219	Intro to Organizational Behavior and Ethics	2				ENGL 119 - / P	-
CHM 221	Computer Applications in CHE	1				CHM 121 - / P	-
CHM 222	Industrial Chemical Processes	2				CHM 114 - / P	-
CHM 224	Reaction Kinetics and Reactors	3				CHM 121 - / P MATH 108 - / P	-
CHM 225	Chemical Engineering Thermodynamics I	3				CHM 121 - / P	-
CHM 227	Transport Processes	3				CHM 121 - / P	-
ENGL 213	Technical Writing	3				ENGL 129 - / P	-
GES 103	Physical Education	1				-	-
Total							18

Group Type : Compulsory 1

Fourth							
code	course name	H	G	L	H	requisite	Yrl
CHM 230	Process Plant Safety	2				-	-
CHM 231	Petroleum Refining Technology	3				CHM 114 - / P	-
CHM 233	Process Plant Simulation and Operation	2				CHM 131 - / P	-
CHM 234	Environmental Control	2				-	-
CHM 235	CHET Project	2				CHM 131 - / P	-
CHM 239	Separation Processes I	3				CHM 121 - / P	-
CHM 291	Cooperative Work Experience	3				-	-
MME 101	Engineering Drawing	1				-	-
Total							18

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				-	-
MME 201	Metallurgy	3				GES 152 - / P	-
NDT 102	Manufacturing Processes and NDT	3				-	-
Total							45



Study Plan

Degree : Intermediate Diploma **Faculty :** Jubail Industrial College **Plan Hrs.:** 75
Semester : 451 **Department :** Chemical Engineering **Plan Type :** Major
Edition : 7 **Gender :** Both
Major : 2-1-201 Chemical Engineering Technology

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

Free Hrs. : 0