



Study Plan

Degree : Intermediate Diploma Faculty : Jubail Industrial College Plan Hrs.: 74
 Semester : 451 Department : Chemical Engineering Plan Type : Major
 Edition : 6 Gender : Both
 Major : 2-1-210 Industrial Chemistry 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 103	Laboratory Safety	1				-	-
CHM 104	Industrial Chemistry Principles	3				-	-
CIT 118	Computer Applications	1				-	-
ENGL 119	Academic Writing	3				-	-
GES 103	Physical Education	1				-	-
GES 152	Principles of Chemistry	4				-	-
MATH 107	Differential Calculus	4				-	-
Total							17

Second							
code	course name	H	G	L	H	requisite	Yrl
BUS 219	Intro to Organizational Behavior and Ethics	2				ENGL 119 - / P	-
CHM 114	Organic Chemistry I	4				GES 152 - / P	-
CHM 202	Analytical Chemistry I	3				CHM 104 - / P	-
CHM 212	Quality Control	2				-	-
ENGL 129	Professional Communication	3				ENGL 119 - / P	-
GES 132	Fundamentals of Physics	4				-	-
Total							18

Third							
code	course name	H	G	L	H	requisite	Yrl
CHM 113	Physical Chemistry I	4				GES 152 - / P	-
CHM 203	Instrumental Analysis I	3				CHM 104 - / P	-
CHM 205	Organic Chemistry II	3				CHM 114 - / P	-
CHM 214	Analytical Chemistry II	3				CHM 202 - / P	-
ENGL 213	Technical Writing	3				ENGL 129 - / P	-
IAS 121	Islamic Culture	2				-	-

Group Type : Compulsory 1

Third							
Total							18

Fourth							
code	course name	H	G	L	H	requisite	Yrl
CHM 112	Inorganic Chemistry I	3				GES 152 - / P	-
CHM 211	Instrumental Analysis II	3				CHM 203 - / P	-
CHM 215	INCT Project	2				CHM 205 - / P	-
CHM 216	Technicians Responsibility	1				CHM 203 - / P	-
CHM 219	Water and Wastewater Analysis	3				CHM 202 - / P	-
CHM 242	Polymer Characterization and Testing	3				CHM 205 - / P	-
CHM 290	Cooperative Work Experience	3				-	-
Total							18

Category : College Requirement

Group Type : Elective 1 (3)



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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 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							39
Free Hrs. : 0							