



Study Plan

Degree : Intermediate Diploma Faculty : Jubail Industrial College Plan Hrs.: 74
 Semester : 451 Department : Chemical Engineering Plan Type : Major
 Edition : 8 Gender : Both
 Major : 2-1-209 Polymer 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 141	Introduction to Polymer Technology	2				-	-
CHM 142	Principles of Polymer Engineering	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 153	Polymer Materials	3				CHM 141 - / P	-
CHM 156	Polymer Science and Engineering	3				CHM 142 - / P or GES 152 - / P	-
ENGL 129	Professional Communication	3				ENGL 119 - / P	-
GES 132	Fundamentals of Physics	4				-	-
MATH 108	Integral Calculus	4				MATH 107 - / P	-
MME 103	Industrial Safety and Environment	1				-	-
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 123	Process Equipment	2				-	-
CHM 157	Organic and Polymer Chemistry	4				GES 152 - / P	-
CHM 244	Polymer Processing I	3				CHM 153 - / P	-
CHM 254	Plastic Product Design	3				CHM 156 - / 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 131	Instrumentation and Process Control	3				CHM 123 - / P	-
CHM 241	Industrial Polymerization	3				CHM 157 - / P	-
CHM 242	Polymer Characterization and Testing	3				CHM 157 - / P	-
CHM 251	Polymer Processing II	3				CHM 244 - / P	-
CHM 253	POLY Project	2				CHM 244 - / P or CHM 254 - / P	-
CHM 292	Cooperative Work Experience	3				-	-
Total							17

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	-
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							42



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Free Hrs. : 0