Pre-requisite Courses of Department of Chemical Engineering
(Batch:2020 & 2021)

First year	Second Year	Third Year	Final Year
CH-104 Chemical Engineering Principles	**CH-208** Analytical Chemistry	**CH-310** Fuel & Energy	**CH-401** Process Mod. & Sim
ME-101 Engineering Mechanics	**CH-210** Chemical Engineering Thermodynamics-II	**CH-307** Heat Transfer	**CH-414** Chemical Plant Design
ME-104 Workshop Practice	**CH-209** Fluid Mechanics-I	**CH-309** Chemical Reaction Engineering	**CH-404** Chemical Process Optimization
HS-104 Functional English	**MM-205** Mechanics of Materials	**CH-311** Mass Transfer	**CH-416** Pet. Ref & Petrochemical
PH-122 Applied Physics	**IM-207** Computer Programming & Drafting	**MT-332** Advanced Calculus & Linear Algebra	**MT-441** Advanced Math. Techniques

Fall

First year	Second Year	Third Year	Final Year
CH-106 Applied Chemistry	**CH-213** Chemical Process Industries	**CH-302** Separation Processes	**CH-417** Industrial Safety & Maintenance Management
CH-107 Chemical Engineering Thermodynamics-I	**ME-209** Materials & Metallurgy	**CH-306** Chemical Process Control	**CH-418** Industrial Organization & Management
ME-111 Engineering Drawing	**CH-211** Fluid Mechanics-II	**HS-304** Business Communication & Ethics	**CH-413** Gas Engineering
EE-118 Basic Electricity & Electronics	**MT-223** Differential Equation & Fourier Series	**MT-331** Probability & Statistics	**CH-415** Transport Phenomena
MT-114 Calculus	**HS-205** Islamic Studies OR	**PF-303** App. Economics for Engineers	**CH-499** Chemical Engineering Project
HS-105 Pak. Studies	**HS-209** Ethical Behavior(for Non-Muslim)		
HS-127 Pak. Studies (for Foreigners)	**CH-212** Particulate Tech.		

Spring