Chemical Engineering plan with pre-requisite

	Course Code		Required	* Pre-	Credit
Level		Course Title	or Elective	Requisite	Hours
				Courses	
	101CSC-3	Introduction to computer	Required		3
	101SLM-2	Islamic Culture I	Required		2
Level 1	101ENG-6	English 1	Required		6
	101MATH-3	General Mathematics	Required		3
	102SLM-2	Islamic Culture II	Required		2
	102ENG-6	English 2	Required	101ENG-6	6
Level 2	101PHYS-4	General Physics	Required		4
	211MATH-3	Calculus (1)	Required	101MATH-3	3
	101ARB-2	Arabic Language Skills	Required		2
	CHEM106-4	General Chemistry	Required		4
Level	MATH228-3	Calculus 2	Required	211MATH-3	3
3	PHYS203-3	Physics 2	Required	101PHYS-4	3
	ME131-2	Engineering Drawing	Required		2
	EE111-3	Fundamentals of Electrical Engineering	Required	101PHYS-4	3
	103SLM-2	Islamic Culture III	Required		2
	CHEM206-3	Chemistry 2	Required	CHEM106-4	3
Level	MATH319-3	Calculus (3)	Required	MATH228-3	3
4	ME132-3	Engineering Design	Required	ME131-2	3
	EngM137-2	Engineering Mechanics	Required	101PHYS-4	2
	CHE111-2	Physical Chemistry	Required	CHEM106-4	2
	CHE112-3	Organic Chemistry	Required	CHEM106-4	3
	102ARB-2	Arabic Writing	Required		2

	CSC222-3	Programming Language	Required	101CSC-3	3
	CSC222-3	Flogramming Language	Required	101CSC-3	3
Level	MATH336-3	Differential Equations	Required	MATH319-3	3
5	ME251-3	Production Engineering & Workshop	Required	ME131-2	3
	CHE213-3	Introduction to Chemical Engineering	Required	CHE111-2	3
	CHE231-3	Momentum Transfer	Required	MATH319-3	3
	104SLM-2	Islamic Culture IV	Required		2
	STAT 354-3	Statistics & Probability	Required	211MATH-3	3
Level	CHE214-4	Chemical Industries	Required	CHE112-3	4
6	CHE215-3	Material Science	Required	ME251-3	3
	CHE216-3	Chemical Engineering Thermodynamics 1	Required	CHE213-3	3
	CHE232-3	Heat Transfer	Required	CHE231-3	3
Level	ENG 357-3	Technical Writing	Required	102ENG-6	3
7	IE346-2	Engineering Economy	Required	MATH228-3	2
	CHE317-3	Safety in Chemical Processes Industries	Required	CHE215-3	3
	CHE318-3	Chemical Engineering Thermodynamics 2	Required	CHE216-3	3
	CHE333-4	Mass Transfer	Required	CHE232-3	4
	CHE341-3	Computer Applications	Required	CSC222-3	3
	MATH410-3	Numerical Methods	Require	MATH228-3	3
	WAT11410-3	Numerical Methods		CSC222-3	3
Level	CHE334-3	Chemical Engineering Laboratory	Required	CHE232-3	3
8	CHE335-3	Separation Process	Required	CHE333-4	3
	CHE342-3	Modeling and Simulation	Required	CHE341-3	3
	CHE351-3	Kinetics and Reactor Design	Required	CHE318-3	3
	CHE496-2	Summer Training	Required	ENG357-3 Department Approval	2
	CHE443-3	Process Control	Required	CHE342-3	3

Level	CHE461-2	Environmental Engineering	Required	CHEM206-3	2
9	CHE462-3	Corrosion Engineering	Required	EE111-3	3
	CHE491-3	Elective Course (1)	Elective	According to each course	3
			Required	ENG357-3	
	CHE498-1	Senior Design Project (1)		CHE317-3	
				CHE318-3	1
				CHE333-4	
				CHE341-3	
	CHE452-3	Plant Design and Economics	Required	CHE351-3	3
Level	CHE471-4	Petrochemical Engineering	Required	CHE334-3	4
				CHE335-3	·
	CHE492-2	Elective Course (2)	Elective	According to each course	2
	CHE 493-2	Elective Course (3)	Elective	According to each course	2
	CHE499-3	Senior Design Project (2)	Required	CHE498-1	3
	Total				

