

Level 1			
Course Code	Course Title	Credit Hour	prerequisite
011ENG-6	Intensive English Program (1)	6	--
107CHEM-4	General Chemistry	4	--
111GE-3	Engineering Drawing (1)	3	--
119MATH-3	Differentiation And Integration (1)	3	--
Total Credit hours		16	

Level 3			
Course Code	Course Title	Credit Hour	prerequisite
121ME-3	Production Technology and Workshop	3	--
201ARAB-2	Skills of Arabic Language	2	--
211CHEM-3	Organic Chemistry (1)	3	--
218ME-3	Statistics and Dynamics	3	--
219MATH-3	Differentiation And Integration (2)	3	--
231CHEM-3	Physical Chemistry	3	--
Total Credit hours		17	

Level 5			
Course Code	Course Title	Credit Hour	prerequisite
225ME-3	Strength of Materials and Testing	3	
311CHME-3	Fundamentals of Chemical Engineering in Thermodynamics-1	3	
312CHME-3	Fundamentals of Chemical Engineering (2)	3	222CHME-3
313CHME-3	Mass Transfer	3	
319MATH-3	Differential Equations	3	219MATH-3
Total Credit hours		15	

Level 7			
Course Code	Course Title	Credit Hour	prerequisite
113ICI-2	Islamic Culture (3)	2	--
301ENG-2	Technical Report Writing	2	
412CHME-3	Chemical Industry Engineering	3	322CHME-3
418ME-3	Principle Engineering Design	3	224CHME-3, 225ME-3
419MATH-3	Numerical Methods	3	319MATH-3, 101CMS-3
424INE-2	Engineering Economics	2	--
Total Credit hours		15	

Level 9			
Course Code	Course Title	Credit Hour	prerequisite
511CHME-2	Extractive Metallurgy	2	223CHE-3
512CHME-2	Industrial Safety	2	
513CHME-3	Modeling and Simulation	3	419MATH-3
514 CHME-2	Computer Application in Chemical Engineering	2	412CHME-3
515CHME-3	Polymers Engineering	3	
591CHME-3	Graduation Project	3	Completion of 123 Credit Hr
Total Credit hours		15	

Level 2			
Course Code	Course Title	Credit Hour	prerequisite
012ENG-6	Intensive English Program (2)	6	011-ENG-6
101CMS-3	Computer Science	3	--
111ICI-2	Islamic Culture (1)	2	--
129MATH-3	Algebra & Geometry	3	--
129PHYS-4	Physics (1)	4	--
Total Credit hours		18	

Level 4			
Course Code	Course Title	Credit Hour	prerequisite
202ARAB-2	Arabic Writing	2	201ARAB-2
221CHEM-3	Organic Chemistry (2)	3	211CHEM-3
222CHME-3	Fundamentals of Chemical Engineering (1)	3	211CHEM-3
223CHME-3	Materials Engineering	3	231CHEM-3
224CHME-3	Advanced Engineering Drawing	3	--
229MATH-3	Differentiation And Integration (3)	3	219MATH-3
Total Credit hours		17	

Level 6			
Course Code	Course Title	Credit Hour	prerequisite
112ICI-2	Islamic Culture (2)	2	
218EE-3	Electric Engineering	3	129PHYS-4, 129MATH-3
321CHME-3	Momentum Transfer	3	313CHME-3
322CHME-3	Chemical Reactions Engineering	3	312CHME-3
323CHME-3	Thermodynamics in Chemical Engineering	3	311CHME-3
329STAT-2	Fundamentals of Statics and Probabilities	2	221-CHME-3
Total Credit hours		16	
400CHE-0	Summer Training	0	Completion of 95 Cr. Hrs

Level 8			
Course Code	Course Title	Credit Hour	prerequisite
114ICI-2	Islamic Culture (4)	2	
421CHME-2	Plan Design and Chemical Processes	2	424INE-2
422CHME-3	Advanced Engineering Design	3	481ME-3
423CHME-3	Catalysis and Catalytic Processes	3	412CHME-3
424CHME-3	Separation Processes	3	313CHME-3
425CHME-3	Heat Transfer	3	323CHME-3
Total Credit hours		16	

Level 10			
Course Code	Course Title	Credit Hour	prerequisite
521CHME-3	Petroleum Refining and Petrochemicals	3	--
522CHME-3	Chemical Reactor Design	3	423CHME-3
523CHME-3	Corrosion and Electrochemical Engineering	3	--
524CHME-3	Control Processes	3	513CHME-3
525CHME-3	Water and Solid Waste Treatment	3	--
Total Credit hours		15	