



CHEMICAL ENGINEERING MSc Program

REMEDIAL COURSES						
Dept.	Code	Course Name	CR.	ECTS		
CHBE	215	Material and Energy Balances	NC			
CHBE	232	CHBE I: Fluid Mechanics	NC			
CHBE	331	CHBE II: Heat Transfer	NC			
CHBE	333	CHBE III : Mass Transfer	NC			
CHBE	362	Reactor Design	NC			
MATH	241	Differential Equations	NC			
		PROGRAM COURSES				
Dept.	Code	Course Name	CR.	ECTS		
CHBE	512	Modeling and Analysis of Chemical Engineering Systems	3	10		
CHBE	514	Advanced Engineering Thermodynamics	3	10		
CHBE	534	Transport Phenomena	3	10		
		Departmental Elective I	3	10		
		Departmental Elective II	3	10		
		Area Elective I	3	10		
		Free Elective I	3	7		
CHBE	590	Research Seminar	NC	2		
CHBE	600	MSc Thesis	NC	60		
		TOTAL	21	129		
		EXTRA/NON-DEGREE COURSES				
Dept.	Code	Course Name	CR.	ECTS		
		Extra/Non-degree	NC			

Course Group	Description		
Departmental Elective I-II	Chemical Engineering courses under the GSNAS.		
Area Elective I	ESYE 501, MSN 501		
Free Elective I	Unrestricted, by approval of advisor and CHEM department.		
Extra/Non-degree	Optional non-credit (NC) courses that are not part of the program.		
Remedial Courses	Undergraduate level courses offered by department.		