CHEMICAL & BIOLOGICAL ENGINEERING

Master of Science in Chemical Engineering (M.S.Ch.E)

Shared Credit Program with B.S.Ch.E.

Department of Chemical & Biological Engineering

Name:_____ UNM ID #:_____

Junior Year - Undergraduate Degree					
SPRING SEMESTER					
Semester/Year	**Course**	**Title**	**Hours**	**Grade**	**Applied toward BSCHE?**
	CBE 501	Chemical & Biological Engineering Seminar	1		
		Total Semester Hours:	**1**		

Senior Year - Undergraduate Degree					
FALL SEMESTER					
Semester/Year	**Course**	**Title**	**Hours**	**Grade**	**Applied toward BSCHE?**
		Graduate Level Technical Elective(1)	3		
FA	CBE 586	Introduction to Statistics and Design of Experiments	2		
	CBE 501	Chemical & Biological Engineering Seminar	1		
		Total Semester Hours:	**6**		
SPRING SEMESTER					
Semester/Year	**Course**	**Title**	**Hours**	**Grade**	**Applied toward BSCHE?**
		Graduate Level Technical Elective(1)	3		
		Total Semester Hours:	**3**		
		Total Hours as Shared Credit:	**10**		

First Year - MS in Chemical Engineering					
FALL SEMESTER					
Semester/Year	**Course**	**Title**	**Hours**	**Grade**	**Applied toward BSCHE?**
	CBE 501	Chemical & Biological Engineering Seminar	1		
FA	CBE 502	Chemical & Biological Engineering Research Practices	3		
FA	CBE 521	Advanced Transport Phenomena I	3		
FA	CBE 525	Methods of Analysis in Nuclear, Chemical & Biological Engr	3		
		Total Semester Hours:	**10**		
SPRING SEMESTER					
Semester/Year	**Course**	**Title**	**Hours**	**Grade**	**Applied toward BSCHE?**
	CBE 501	Chemical & Biological Engineering Seminar	1		
SP	CBE 542	Advanced Chemical Engineering Thermodynamics	3		
SP	CBE 561	Kinetics of Chemical Processes	3		
		Technical Elective(2)	3		
		Total Semester Hours:	**10**		
		Total Hours for First Year-MS:	**20**		
		Total Hours for MSCHE:	**30**		

(1) Technical electives are chosen from upper-division courses approved by the chemical engineering program advisors. A list of approved technical electives is available on the Department Web site. One of these electives must be a class taught from within the School of Engineering, and the other elective may be taught from within either the School of Engineering or the College of Arts and Sciences. The department requires that these courses be part of an approved concentration. The chairperson may allow up to 6 credit hours of technical electives for students taking required ROTC courses in aerospace or naval science. One technical elective can be replaced by a research project done under the supervision of a CBE faculty member and requires advance approval by the undergraduate advisor.

(2) This technical elective can be a CBE 551/552 Problems which is a project done under the direction of a faculty member. Must be approved prior to enrollment.