Chemical Engineering 4-Year Curriculum 2010-2011

Freshman Year

		Cr	Grade	Sem			Cr	Grade	Sem
Chem 111	Principles of Chemistry *	4			Chem 112	General Chemistry *	5		
Math 170	Anal Geom & Calc I	4			Math 175	Analytic Geom II & Calc	4		
Engl 102	Essay Writing	3			Phys 211	Engineering Physics I	3		
ChE 110	Intro to Chem Engineering	1				CS Elective	3		
ChE 123	Computation in ChE	2				Hum/SS Elective	3		
	Hum/SS Elective	3				**TOTAL**	**18**		
	TOTAL	**17**							

Sophomore Year

Chem 277	Organic Chem	3			Chem 372	Organic Chem II	3		
Chem 278	Organic Chem Lab	1			Chem 374	Organic Chem II Lab	1		
Phys 212	Engr Physics II	3			Engr 320	Thermo & Heat Trans *	3		
Engr 210	Statics *	3			Math 310	Ord Diff Equations *	3		
Math 275	Anal Geom & Calc III*	3			Engr 335	Fluid Mechanics*	3		
	Econ Elective	3			ChE 223	Matl & Energy Balances*	3		
	TOTAL	**16**				**TOTAL**	**16**		

Junior Year

Chem 305	Physical Chemistry	3				Chem/BioSci Elective	4		
Chem 307	Physical Chemistry Lab	1			ChE 423	Reactor Kinetics & Des	3		
ChE 326	ChE Thermo	3			ChE 341	Trans & Rate Proc II	4		
ChE 340	Trans & Rate Proc I	4				Communication Elective	2		
	Mathematics Elective	3			ChE 330	Sep Proc I	3		
Engr 240	Circuits	3							
	TOTAL	17				**TOTAL**	16		

Senior Year

ChE 444	Process Anal	3			ChE 445	Process Control	3		
ChE 491	Seminar	1			ChE 434	Trans & Rate Proc Lab	1		
ChE 433	Trans & Rate Proc Lab	1			ChE 454	Proc Analysis & Des II	3		
ChE 453	Proc Analysis & Design I	3				Technical Elective	3		
	Hum/SS Elective	3				Technical Elective	3		
	ChE Elective	3				Hum/SS Elective	3		
	TOTAL	14				**TOTAL**	16		

Electives

	Cr	Grade	Sem		Cr	Grade	Sem
Hum Elective				Math Elective			
Hum Elective				Econ Elective			
SS Elective				ChE Elective			
Hum/SS Elective				Tech Elective			
CS Elective				Tech Elective			
Com Elective				Chem/BioSci Elective			

Credits Transferred: _____ Transfer GPA: _____ Dean's Warning: _____

Credits Attempted: _____ CORE GPA: _____ Dean's Referral: _____

Credits Passed: _____ Semester GPA: _____ 1st Disqualification: _____