

CHEMICAL ENGINEERING 128-HOUR CURRICULUM WORKSHEET

Chemical Engineering Practice Concentration

FRESHMAN YEAR

First Semester		Credit Hours	Grade Earned	Second Semester		Credit Hours	Grade Earned
CH 1211	Inv. in Chemistry	1		CH 1221	Inv. in Chemistry	1	
CH 1213	Fund. of Chemistry	3		CH 1223	Fund. of Chemistry	3	
CHE 1101	CHE Freshman Seminar	1		CHE 2213	CHE Analysis	3	
EN 1103	English Comp. I	3		EN 1113	English Comp. II	3	
MA 1713	Calculus I	3		MA 1723	Calculus II	3	
	Humanities Elective	3		PH 2213	Physics I	3	
	Social Science Elective	3					
	Total	17			Total	16	

SOPHOMORE YEAR

First Semester		Credit Hours	Grade Earned	Second Semester		Credit Hours	Grade Earned
CHE 2114	Mass and Energy Balances	4		CHE 3113	CHE Thermo I	3	
CHE 3203	Fluid Flow Ops*	3		EM 2413	Engineering Mechanics	3	
MA 2733	Calculus III	3		MA 2743	Calculus IV	3	
PH 2223	Physics II	3		MA 3253	Differential Equations	3	
	Humanities Elective	3			Fine Arts Elective	3	
	Total	16			Total	15	

JUNIOR YEAR

First Semester		Credit Hours	Grade Earned	Second Semester		Credit Hours	Grade Earned
CH 4511	Organic Chem. Lab I	1		CH 4523	Organic Chemistry II	3	
CH 4513	Organic Chemistry I	3		CHE 3213	Heat Transfer Ops**	3	
CHE 3123	CHE Thermo II	3		CHE 3223	Mass Transfer Ops**	3	
CHE 3413	Engineering Materials*	3		CHE 3331	Professional Dev. Seminar	1	
IE 3913	Engineering Economy I	3		ECE 3183	EE Systems	3	
	CH/CHE/Technical Elective	3		GE 3513	Technical Writing	3	
	Total	16			Total	16	

SENIOR YEAR

First Semester		Credit Hours	Grade Earned	Second Semester		Credit Hours	Grade Earned
CH 4413	Physical Chemistry I*	3		CHE 4223	Process Controls**	3	
CHE 3222	CHE Lab I*	2		CHE 4233	CHE Plant Design**	3	
CHE 4113	CHE Reactor Design*	3		CHE 3232	CHE Lab II**	2	
CHE 4134	CHE Process Design*	4			CH/CHE/Technical Elective	3	
	CH/CHE/Technical Elective				CH/CHE/Technical Elective	3	
					Social Sciences Elective	3	
	Total	15			Total	17	

* Taught during fall semester only

** Taught during spring semester only

Note: Electives required for graduation. See approved electives list. 3 credits CHE elective; 3 credits Chemistry elective; 6 credits Technical electives.

Note: Beginning 2007, CHE Lab I will be taught fall semester only – CHE 3232 CHE Lab II will be taught spring semesters only.