

CHEMICAL ENGINEERING 128-HOUR CURRICULUM WORKSHEET

Transfer Student who wants to coo-op – Curriculum Guide – 4 regular semesters and 1 summer semester – 3 co-op semesters – CHEMICAL ENGINEERING PRACTICE CURRICULUM

Base Assumption: Transfer student has completed all required math (Cal I-IV, DE), physics (PH 2213, 2223), freshman chemistry (CH 1213, 1223, 1211, 1221) organic chemistry (CH 4513, CH 4523, CH 4511), English composition (EN 1103, EN 1113) and 15 semester hours of HU/FA/SS.

Transfers in (15 hours math, 6 hours physics, 8 hours freshman chemistry, 7 hours organic chemistry, 6 hours English composition, 15 hours HU/FA/SS) and 3 hours of engineering mechanics (EM 2413) for a total of 60 hours (maximum of 63 may be applied to degree if from community college). 2 semester physics sequence at community college is 8 hours credit – 1 hour to be used to offset CHE 1101 CHE Freshman Seminar.

FIRST YEAR					
Fall Semester	Credit Hours	Spring Semester	Credit Hours	Summer Semester	Credit Hours
CHE 2114 Mass and Energy Balances	4	Co-op Term 1		Technical Elective	3
IE 3913 Engineering Economy	3			GE 3513 Technical Writing	3
CHE 3113 CHE Thermo I or ME 3513 ME Thermo I	3			ECE 3183 EE Systems	3
CHE 3203 Fluid Flow Operations	3			CHE 3413 Engineering Materials	3
Total	13			Total	12
SECOND YEAR					
Fall Semester	Credit Hours	Spring Semester	Credit Hours	Summer Semester	Credit Hours
Co-op Term 2		CHE 3123 CHE Thermo II	3	Co-op Term 3	
		CHE 3213 Heat Transfer Operations	3		
		CHE 3223 Separations	3		
		CHE 2213 CHE Analysis	3		
		CHE 3331 Prof. Dev. Seminar	1		
		Total	13		
THIRD YEAR					
Fall Semester	Credit Hours	Spring Semester	Credit Hours	Summer Semester	Credit Hours
CHE 3222 CHE Lab 1	2	CHE 3232 CHE LAB II	2		
CHE 4134 CHE Process Design*	4	CHE 4233 CHE Plant Design**	3		
CHE 4113 CHE Reactor Design*	3	CHE 4223 Process Controls **	3		
CHE 4413 Physical Chemistry I	3	Chemistry Elective	3		
CHE Elective	3	Technical Elective	3		
Total	15	Total	14		

*Taught during fall semester only

**Taught during spring semester only.